STR-DA1000ES/DB790

SERVICE MANUAL

Ver. 1.5 2006.11

US Model
Canadian Model
STR-DA1000ES
AEP Model
UK Model
E Model
Australian Model
Chinese Model
STR-DB790

Photo: STR-DA1000ES

This receiver incorporates Dolby* Digital and Pro Logic Surround and the DTS** Digital Surround System.

* Manufactured under license from Dolby Laboratories.
"Dolby", "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories.

** "DTS" and "DTS Digital Surround" are registered trademarks of Digital Theater Systems, Inc.

SPECIFICATIONS

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:
(Models of area code U only)

With 8 ohm loads, both channels driven, from 20 – 20,000 Hz; rated 100 watts per channel minimum RMS power, with no more than 0.09% total harmonic distortion from 250 milliwatts to rated output.

Amplifier section

POWER OUTPUT
STR-DA1000ES:
Rated Power Output at Stereo Mode
(8 ohms 20 Hz – 20 kHz, THD 0.09%) 100 W + 100 W
(4 ohms 20 Hz – 20 kHz, THD 0.09%) 80 W + 80 W
Reference Power Output
(8 ohms 20 Hz – 20 kHz, THD 0.09%)
FRONT[1]: 100 W + 100 W
CENTER[1]: 100 W
SURR[1]: 100 W + 100 W
SURR BACK[1]: 100 W + 100 W
(4 ohms 20 Hz – 20 kHz, THD 0.09%)
FRONT[1]: 80 W + 80 W
CENTER[1]: 80 W
SURR[1]: 80 W + 80 W
SURR BACK[1]: 80 W + 80 W

STR-DB790:
Rated Power Output at Stereo Mode
(8 ohms 1 kHz, THD 0.7%) 90 W + 90 W[3]
(4 ohms 1 kHz, THD 0.7%) 80 W + 80 W[3]
Reference Power Output[2]
(8 ohms 1 kHz, THD 0.7%)
FRONT[1]: 100 W + 100 W
CENTER[1]: 100 W
SURR[1]: 100 W + 100 W
SURR BACK[1]: 100 W
(4 ohms 1 kHz, THD 0.7%)
FRONT[1]: 90 W + 90 W
CENTER[1]: 90 W
SURR[1]: 90 W + 90 W
SURR BACK[1]: 90 W
(8 ohms 20 Hz – 20 kHz, THD 0.09%)
FRONT[1]: 90 W + 90 W
CENTER[1]: 90 W
SURR[1]: 90 W + 90 W
SURR BACK[1]: 90 W
(4 ohms 20 Hz – 20 kHz, THD 0.09%)
FRONT[1]: 80 W + 80 W
CENTER[1]: 80 W
SURR[1]: 80 W + 80 W
SURR BACK[1]: 80 W

1) Depending on the sound field settings and the source, there may be no sound output.

2) Measured under the following conditions:

Area code	Power requirements
SP, MY, CEL, CEK, AU, CN	230 V AC, 50 Hz
TW	110 V AC, 60 Hz

3) Measured under the following conditions:

Area code	Power requirements
KR	220 V AC, 50 Hz

Frequency response

PHONO	RIAA equalization curve ±0.5 dB
MULTI CH IN, CD/ SACD, MD/TAPE, DVD, TV/SAT, VIDEO 1, 2, 3	10 Hz – 100 kHz +0.5/–2 dB (when ANALOG DIRECT is selected)

Inputs (Analog)

PHONO	Sensitivity: 2.5 mV Impedance: 50 kilohms S/N[3]: 86 dB (A, 2.5 mV[4])
MULTI CH IN, CD/ SACD, MD/TAPE, DVD, TV/SAT, VIDEO 1, 2, 3	Sensitivity: 150 mV Impedance: 50 kilohms S/N[4]: 96 dB (A, 150 mV[5])

– Continued on next page –

FM STEREO FM/AM RECEIVER

9-877-370-06
2006K05-1
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Sony Corporation
Home Audio Division
Published by Sony Techno Create Corporation

SONY

4) INPUT SHORT.
5) Weighted network, input level.

Inputs (Digital)

DVD (Coaxial)	Impedance: 75 ohms S/N: 100 dB (A, 20 kHz LPF)
DVD, TV/SAT, MD, VIDEO3 (Optical)	S/N: 100 dB (A, 20 kHz LPF)

Outputs

MD/TAPE (REC OUT), VIDEO 1, 2 (AUDIO OUT)	Voltage: 150 mV Impedance: 2.2 kilohms
SUB WOOFER	Voltage: 2 V Impedance: 1 kilohms

EQ

Gain levels	±10 dB, 1 dB step

FM tuner section

Tuning range	87.5 - 108.0 MHz
Antenna	FM wire antenna
Antenna terminals	75 ohms, unbalanced
Sensitivity	
Mono:	18.3 dBf, 2.2 µV/75 ohms
Stereo:	38.3 dBf, 22.5 µV/75 ohms
Useable sensitivity	11.2 dBf, 1 µV/75 ohms
S/N	
Mono:	76 dB
Stereo:	70 dB
Harmonic distortion at 1 kHz	
Mono:	0.3%
Stereo:	0.5%
Separation	45 dB at 1 kHz
Frequency response	30 Hz – 15 kHz, +0.5/–2 dB
Selectivity	60 dB at 400 kHz

AM tuner section

Tuning range	
STR-DA1000ES:	530 – 1,710 kHz[6)] (With 10-kHz tuning scale) 531 – 1,710 kHz[6)] (With 9-kHz tuning scale)
STR-DB790:	531 – 1,602 kHz (With 9-kHz tuning scale)
Antenna	Loop antenna
Usable sensitivity	50 dB/m (at 1,000 kHz or 999 kHz)
S/N	54 dB (at 50 mV/m)
Harmonic distortion	0.5% (50 mV/m, 400 Hz)
Selectivity	
At 9 kHz:	35 dB
At 10 kHz:	40 dB

6) You can change the AM tuning scale to 9 kHz or 10 kHz. After tuning in any AM station, turn off the receiver. While holding down PRESET TUNING + or TUNING +, press I/⏻. All preset stations will be erased when you change the tuning scale. To reset the scale to 10 kHz (or 9 kHz), repeat the procedure.

Video section

Inputs/Outputs	
Video:	1 Vp-p, 75 ohms
S-video:	Y: 1 Vp-p, 75 ohms C: 0.286 Vp-p, 75 ohms
COMPONENT VIDEO:	Y: 1 Vp-p, 75 ohms B-Y: 0.7 Vp-p, 75 ohms R-Y: 0.7 Vp-p, 75 ohms

General

Power requirements

Area code	Power requirements
U, CA	120 V AC, 60 Hz
CEL, CEK, AU	230 V AC, 50/60 Hz
SP, MY, KR, CN	220 – 230 V AC, 50/60 Hz
TW	110 V AC, 60 Hz

Power consumption

Area code	Power consumption
U	290 W
CA	340 VA
CEL, CEK, AU	290 W
SP, MY, KR, CN	290 W
TW	290 W

Power consumption (during standby mode)
1 W

AC outlets

Area code	AC outlets
U, CA	1 switched, 120 W/1A MAX
SP, MY, TW	1 switched, 100 W MAX

Dimensions	430 161 400 mm including projecting parts and controls
Mass (Approx.)	14.5 kg

Supplied accessories

FM wire antenna (1)
AM loop antenna (1)
STR-DA1000ES:
Remote commander RM-LG112 (1)
R6 (size-AA) batteries (2)
STR-DB790:
Remote commander RM-PP412 (1)
R6 (size-AA) batteries (2)

Design and specifications are subject to change without notice.

NOTE: Abbreviation
AU : Australian model
CA : Canadian model
CEK : UK model
CEL : AEP model
CN : Chinese model
KR : Korean model
MY : Malaysia model
SP : Singapore model
TW : Taiwan model
U : US model

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, “metallized” knobs, screws, and all other exposed metal parts for AC leakage.
Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes.). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers’ instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The “limit” indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

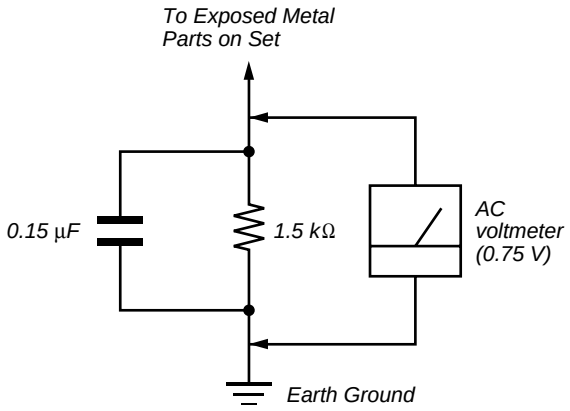

Fig. A. Using an AC voltmeter to check AC leakage.

UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.
(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size)

: LEAD FREE MARK

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40 ˚C higher than ordinary solder.
  Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
  Soldering irons using a temperature regulator should be set to about 350 ˚C.
  Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity
  Unleaded solder is more viscou-s (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
  It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

与安全有关的零部件须知

在原理图上用阴影及 ⚠ 标记来识别的零部件在安全操作上是具有关键性的。这些零部件要用本手册中所示的部件号对应的索尼零部件进行更换。

在安全操作上具有关键性的电路调整与索尼公司出版的维修手册完全一致。在更换关键零部件时或怀疑动作失常时，请进行这些调整操作。

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

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SECTION 1
SERVICING NOTES

• MODEL IDENTIFICATION

– Back Panel –

Model	PART No.
DB790 : AEP, UK and Australian models	4-245-425-0□
DB790 : Singapore and Malaysia models	4-245-425-1□
DB790 : Taiwan model	4-245-425-2□
DB790 : Chinese model	4-245-425-3□
DB790 : Korean model	4-245-425-4□
DA1000ES: US model	4-245-425-6□
DA1000ES: Canadian model	4-245-425-7□

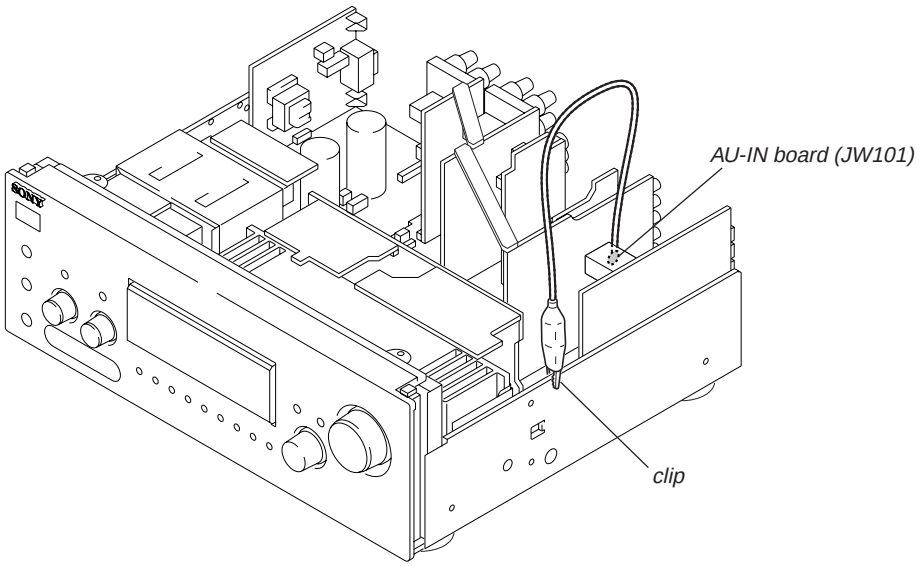
ERROR MESSAGES

If there is a malfunction, the display shows a code of two numbers and a message. You can check the condition of the system by message. Refer to the following table to solve the problem.

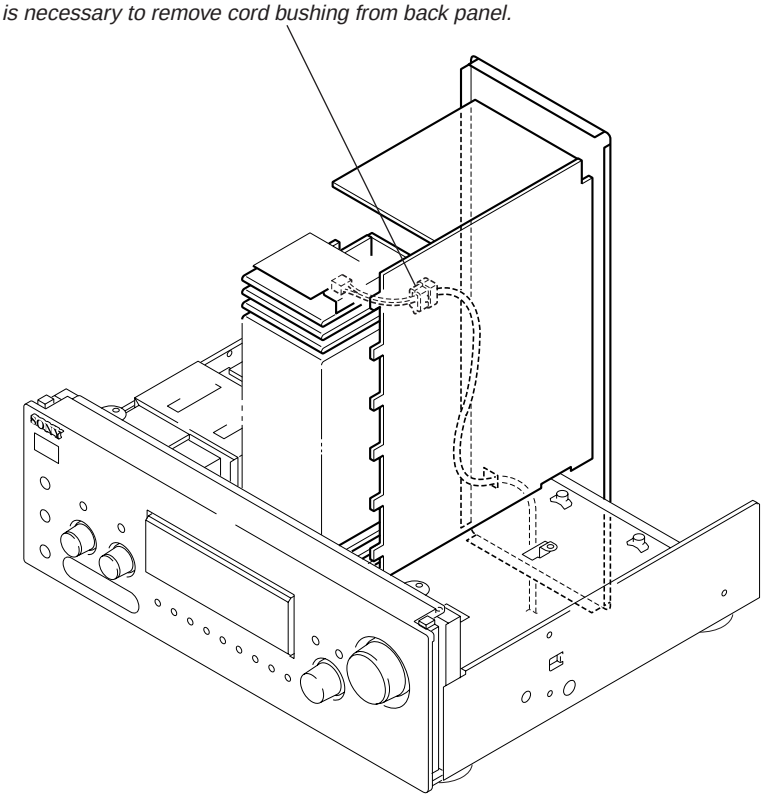
messages	cause and response
DEC. EROR	Appears when the signal which the receiver can not decode (example DSD-CD) is input when “DEC.” is set to “DEC. PCM”. Set to “DEC. AUTO”.
PROTECT	Irregular current output to the speakers. Turn off the receiver and check the speaker connection. Then turn on the power again. Be comes this display, When short current flowed with breakage of the power MOS, or when detection resistor becomes open in connection with it.

SERVICE POSITION

[Connecting the clip for GND]
When checking without back panel, it is necessary to connect the clip for GND to a chassis.



It is necessary to remove cord bushing from back panel.

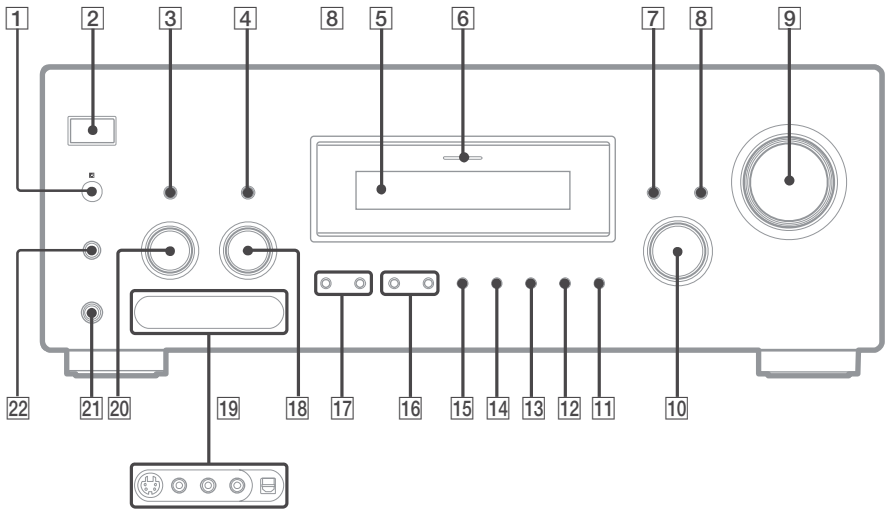


SECTION 2
GENERAL

This section is extracted from instruction manual.

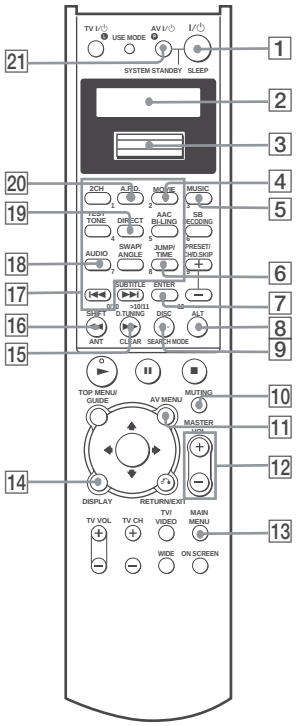
LOCATION OF CONTROLS

– Front Panel –



A.F.D. 13
DISPLAY 7
Display 5
INPUT MODE 8
INPUT SELECTOR 10
IR receptor 1
MAIN MENU 3
MASTER VOLUME –/+ 9
MEMORY/ENTER 4
MENU 20
MOVIE 12
MULTI CHANNEL DECODING indicator 6
MUSIC 11
PHONES jack 21
PRESET TUNING –/+ 17
SPEAKERS 22
SURR BACK DECODING 15
TUNING –/+ 16
VIDEO 3 INPUT jacks 19
2CH 14
–/+ 18
I/⏻ (power) 2

– Remote Commander (RM-LG112) (STR-DA1000ES) –



I/⏻ 1

Press to turn the receiver on or off.

A.F.D. 20

Press to set the receiver to automatically select the appropriate decoding mode for the input signal.

ALT 8

Press to change remote key function to activate those buttons with orange printing.

ANT* (After pressing ALT) 16

When you selected VCR, press to select output signal from antenna terminal: TV signal or VCR program.

AUDIO 18

Changing the sound to Multiplex, Bilingual or Multi channel TV sound.

AV MENU 11

Press to display the menus of the VCR, satellite tuner, or DVD.

AV I/⏻ 21

Press to turn the selected audio and video components on or off.

If you press the I/⏻ switch at the same time, it will turn off the receiver and other Sony audio/video components (SYSTEM STANDBY).

Note

The function of the AV I/⏻ switch changes automatically each time you select the input with the easy scroll key (3). Depending on the component, the above operation may not be possible or may operate differently than described.

CLEAR* (After pressing ALT) 15

When you selected CD player or DVD player, press if you made a mistake when you press the numeric buttons or press to return to the continuous play, etc.

D.TUNING* 15

When you selected tuner, press to enter direct tuning mode.

DIRECT 19

Press to select DIRECT function.

DISC* 9

When you selected CD player or video CD player, press to select a disc directly (multi-disc changer only).

DISPLAY* 14

Press to select the information displayed on the display of the receiver or TV screen.

Display 2

Select the input, macro list and command mode of the remote.

Easy scroll key 3

Move to select the input and press to enter the selection. The components are factory assigned to the inputs as follows. When you want to assign other components, program the remote following the steps on "Programming the remote" on page 9.

Input(s)	*Assigned component(s)*
VIDEO 1	VCR (VTR mode 3)
VIDEO 2	VCR (VTR mode 1)
VIDEO 3	VCR (VTR mode 2)
DVD	DVD player
TV/SAT	TV tuner
TAPE	Tape deck (B)
MD/DAT	MD deck
CD/SACD	CD player
TUNER	Built-in tuner
PHONO	Turntable
MULTI	Component connected to the multi channel input jacks on the receiver
M1, M2*	(Macro list)

* For details, see page 13.

See the table on page 8 for information on the buttons that you can use to control each component.

Note that the inputs are factory-set as described in the table above. If you want to change the factory setting of the buttons to match your particular components, do the procedure "Programming the remote" on page 9.

ENTER (After pressing ALT) 7

After selecting a channel, disc or track using the numeric buttons, press to enter the valve.

JUMP/TIME* 6

If you selected TV:

Press to toggle between the previous and the current channels.

If you selected CD player, video CD player, or DVD player:

Press to display the time information.

MAIN MENU 13

Press to select the menu of the receiver.

MASTER VOL +/– 12

Press to adjust the volume level of all speakers at the same time.

MOVIE 4

Press to select the sound fields for movies.

MUSIC 5

Press to select the sound fields for music.

MUTING 10

Press to mute the sound.

Numeric buttons (1–9, 0/10)* (After pressing ALT) 17

If you selected tuner:

Use with SHIFT to select tuner preset station numeric input during DIRECT TUNING or MEMORY mode.

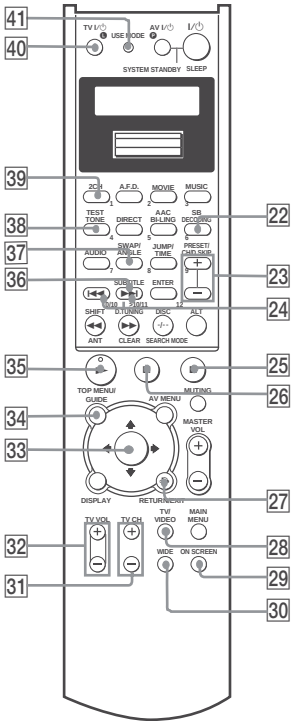
If you selected CD player, video CD player, DVD player, MD deck, or DAT deck:

Press to select track numbers. 0/10 selects track 10.

If you selected TV, VCR, or satellite tuner:

Press to select channel numbers.

* The function of these buttons switch automatically each time you select the input with the easy scroll key (3). Depending on the component, the above operation may not be possible or may operate differently than described.



ON SCREEN 29

Press to display the menus of the receiver on the TV screen (only for the models with on screen function).

PRESET/CH/D.SKIP +/–* 23

If you selected tuner:

Press to scan and select preset stations.

If you selected TV, VCR, or satellite tuner:

Press to select preset channels.

If you selected CD player, video CD player, DVD player, or MD deck:

Press to skip discs (multi-disc changer only).

RETURN ⮌/EXIT* 27

After pressing MAIN MENU, AV MENU, or TOP MENU/GUIDE, press to return to the previous menu or exit the menu.

SB DECODING 22

Press to select surround back decoding mode.

SEARCH MODE* 9

When you selected DVD player, press to select the search mode. Press to select the unit for search (track, index, etc.).

SHIFT* 16

When you selected tuner, press repeatedly to select a memory page for presetting radio stations or tuning to preset stations.

SLEEP (After pressing ALT) 1

Press repeatedly to activate the sleep function and select the duration which the receiver turns off automatically.

SUBTITLE* (After pressing ALT) 36

When you selected DVD player, press to change the subtitles.

SWAP/ANGLE*** 37

If you selected TV:

Press to swap the small and large pictures (only for Sony TVs with picture-in-picture function).

If you selected DVD player:

Press to select viewing angle or changing the angles.

TEST TONE 38

Press to output a test tone.

TOP MENU/GUIDE* 34

Press to display DVD titles or guide menus.

TV/VIDEO 28

Press to select the TV to input signal: TV input or video input.

TV CH +/– 31

Press to select preset TV channels.

TV VOL +/– 32

Press to adjust the volume of TV.

TV I/⏻ 40

Press to turn the TV on or off.

USE MODE 41

Press to set up the remote.

WIDE 30

Press to switch the TV to the wide mode.

2CH 39

Press to turn the sound field off and listen to 2 channel stereo sound. Multi channel source is also downmixed to a 2 channel stereo sound.

>10/11* (After pressing ALT) 36

When you selected CD player, video CD player, LD player, MD deck, or tape deck, press to select track number over 10.

-/--* 9

When you selected TV, press to select the channel entry mode, either one or two digit.

♠/♦/♣/♥/ENTER/EXECUTE 33

After pressing MAIN MENU, AV MENU, or TOP MENU/GUIDE, use the button to make specific settings, then press the button to enter the selection.

▷ 35

Press to start play. (Press to start play on the front sides of the cassette.)

❚❚ 26

Press to pause play or recording, or press to start recording when the component is in recording standby.

■ 25

Press to stop play.

I◀◀ /▶▶I 24

Press to skip tracks.

◀◀/▶▶ 15 16

Press to fast-forward or rewind.

Press to search tracks in the forward or backward direction.

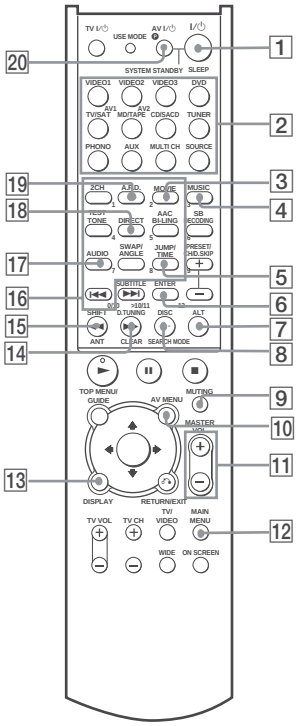
* The function of these buttons switch automatically each time you select the input with the easy scroll key (3). Depending on the component, the above operation may not be possible or may operate differently than described.

** Only for Sony TVs with the picture-in-picture function.

Notes

- The AAC BI-LING and 12 buttons are not available.
- Some buttons may not be used depending on the model.
- The above explanation is intended to serve as an example only. Therefore, depending on the component the above operation may not be possible or may operate differently than described.
- To activate the buttons with orange printing, press ALT first before pressing the buttons.
- Before you use the ♠/♦/♣/♥/ENTER/EXECUTE button for receiver operation, press MAIN MENU. To operate other components, press TOP MENU/GUIDE or AV MENU after selecting the input.

– Remote Commander (RM-PP412) (STR-DB790) –



I/⏻ 1
Press to turn the receiver on or off.

A.F.D. 19
Press to set the receiver to automatically select the appropriate decoding mode for the input signal.

ALT 7
Press to change remote key function to activate those buttons with orange printing.

ANT* (After pressing ALT) 15
When you selected VCR, press to select output signal from antenna terminal: TV signal or VCR program.

AUDIO 17
Changing the sound to Multiplex, Bilingual or Multi channel TV sound.

AV MENU 10
Press to display the menus of the VCR, satellite tuner, or DVD.

AV I/⏻ switch 20
Press to turn the selected audio and video components on or off.
If you press the **I/⏻** switch at the same time, it will turn off the receiver and other Sony audio/video components (SYSTEM STANDBY).

Note
The function of the AV **I/⏻** switch changes automatically each time you select the input with the input buttons ([2]). Depending on the component, the above operation may not be possible or may operate differently than described.

CLEAR* (After pressing ALT) 14
When you selected CD player or DVD player, press if you made a mistake when you press the numeric buttons or press to return to the continuous play, etc.

D.TUNING* 14
When you selected tuner, press to enter direct tuning mode.

DIRECT 18
Press to select DIRECT function.

DISC* 8
When you selected CD player or video CD player, press to select a disc directly (multi-disc changer only).

DISPLAY* 13
Press to select the information displayed on the display of the receiver or TV screen.

ENTER (After pressing ALT) 6
After selecting a channel, disc or track using the numeric buttons, press to enter the valve.

Input buttons 2
Press to select the input. Use AV 1 and AV 2 to select the command mode of the remote.
The components are factory assigned to the inputs as follows. When you want to assign other components, program the remote following the steps on "Programming the remote" on page 9.

Input(s)	Assigned component(s)
VIDEO 1 VIDEO 2 VIDEO 3	VCR (VTR mode 3) VCR (VTR mode 1) VCR (VTR mode 2)
DVD	DVD player
TV/SAT	TV tuner
MD/TAPE	MD deck / Tape deck (B)
CD/SACD	CD player
TUNER	Built-in tuner
PHONO	Turntable
AUX	Other audio component
MULTI CH	Component connected to the multi channel input jacks on the receiver

See the table on page 8 for information on the buttons that you can use to control each component.
Note that the inputs are factory-set as described in the table above. If you want to change the factory setting of the buttons to match your particular components, do the procedure "Programming the remote" on page 9.

JUMP/TIME* 5
If you selected TV:
Press to toggle between the previous and the current channels.
If you selected CD player, video CD player, or DVD player:
Press to display the time information.

MAIN MENU 12
Press to select the menu of the receiver.

MASTER VOL +/– 11
Press to adjust the volume level of all speakers at the same time.

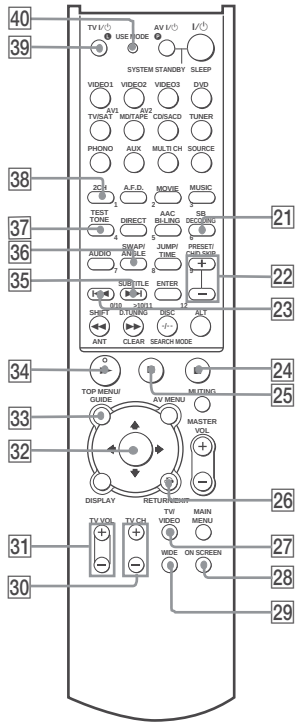
MOVIE 3
Press to select the sound fields for movies.

MUSIC 4
Press to select the sound fields for music.

MUTING 9
Press to mute the sound.

Numeric buttons (1–9, 0/10)* (After pressing ALT) 16
If you selected tuner:
Use with SHIFT to select tuner preset station numeric input during DIRECT TUNING or MEMORY mode.
If you selected CD player, video CD player, DVD player, MD deck, or DAT deck:
Press to select track numbers. 0/10 selects track 10.
If you selected TV, VCR, or satellite tuner:
Press to select channel numbers.

* The function of these buttons switch automatically each time you select the input ([2]). Depending on the component, the above operation may not be possible or may operate differently than described.



ON SCREEN 28
Press to display the menus of the receiver on the TV screen (only for the models with on screen function).

PRESET/CH/D.SKIP +/–* 22
If you selected tuner:
Press to scan and select preset stations.
If you selected TV, VCR, or satellite tuner:
Press to select preset channels.
If you selected CD player, video CD player, DVD player, or MD deck:
Press to skip discs (multi-disc changer only).

RETURN ↩/EXIT* 26
After pressing MAIN MENU, AV MENU, or TOP MENU/GUIDE, press to return to the previous menu or exit the menu.

SB DECODING 21
Press to select surround back decoding mode.

SEARCH MODE* 8
When you selected DVD player, press to select the search mode. Press to select the unit for search (track, index, etc.).

SHIFT* 15
When you selected tuner, press repeatedly to select a memory page for presetting radio stations or tuning to preset stations.

SLEEP (After pressing ALT) 1
Press repeatedly to activate the sleep function and select the duration which the receiver turns off automatically.

SUBTITLE* (After pressing ALT) 35
When you selected DVD player, press to change the subtitles.

SWAP/ANGLE* 36**
If you selected TV:
Press to swap the small and large pictures (only for Sony TVs with picture-in-picture function).
If you selected DVD player:
Press to select viewing angle or changing the angles.

TEST TONE 37
Press to output a test tone.

TOP MENU/GUIDE* 33
Press to display DVD titles or guide menus.

TV/VIDEO 27
Press to select the TV to input signal: TV input or video input.

TV CH +/– 30
Press to select preset TV channels.

TV VOL +/– 31
Press to adjust the volume of TV.

TV I/⏻ 39
Press to turn the TV on or off.

USE MODE 40
Press to set up the remote.

WIDE 29
Press to switch the TV to the wide mode.

2CH 38
Press to turn the sound field off and listen to 2 channel stereo sound. Multi channel source is also downmixed to a 2 channel stereo sound.

>10/11* (After pressing ALT) 35
When you selected CD player, video CD player, LD player, MD deck, or tape deck, press to select track number over 10.

-/--* 8
When you selected TV, press to select the channel entry mode, either one or two digit.

♦/♦/♦/♦/ENTER/EXECUTE 32
After pressing MAIN MENU, AV MENU, or TOP MENU/GUIDE, use the button to make specific settings, then press the button to enter the selection.

▷ 34
Press to start play. (Press to start play on the front sides of the cassette.)

❚❚ 25
Press to pause play or recording, or press to start recording when the component is in recording standby.

■ 24
Press to stop play.

I◄◄/►►I 23
Press to skip tracks.

◄◄/►► 14 15
Press to fast-forward or rewind.
Press to search tracks in the forward or backward direction.

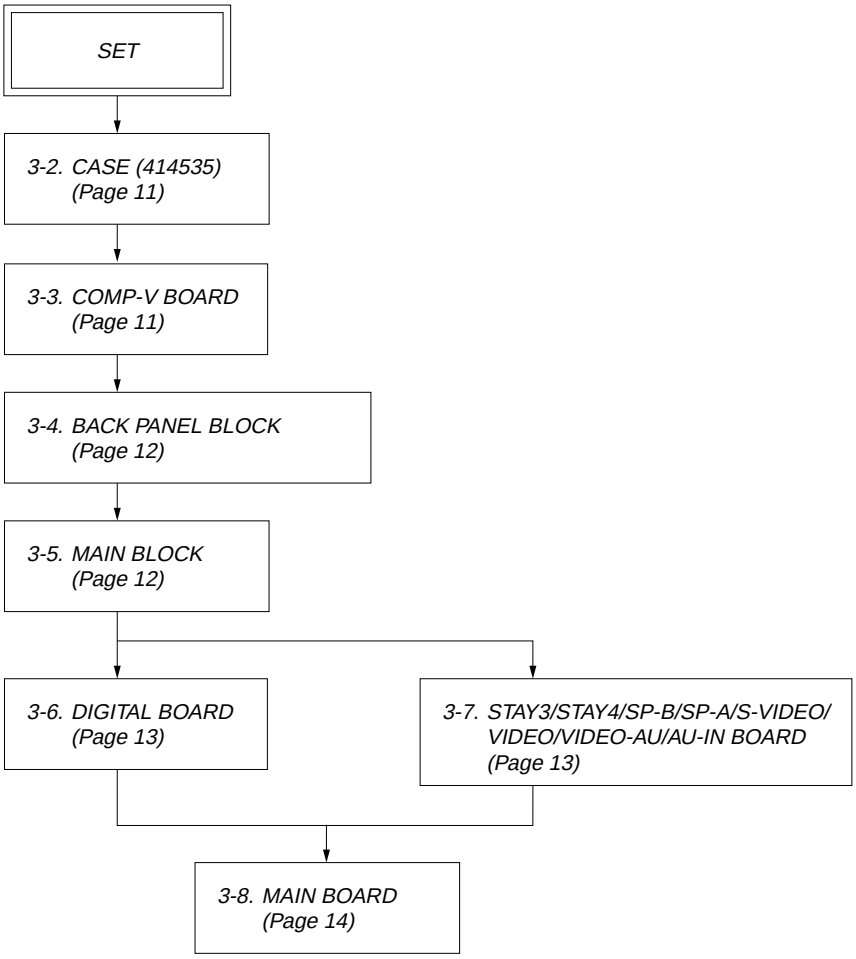
* The function of these buttons switch automatically each time you select the input ([2]). Depending on the component, the above operation may not be possible or may operate differently than described.
**Only for Sony TVs with the picture-in-picture function.

Notes
- The AAC BI-LING, SOURCE and 12 buttons are not available.
- Some buttons may not be used depending on the model.
- The above explanation is intended to serve as an example only. Therefore, depending on the component the above operation may not be possible or may operate differently than described.
- To activate the buttons with orange printing, press ALT first before pressing the buttons.
- Before you use the ♦/♦/♦/♦/ENTER/EXECUTE button for receiver operation, press MAIN MENU. To operate other components, press TOP MENU/GUIDE or AV MENU after selecting the input.

SECTION 3
DISASSEMBLY

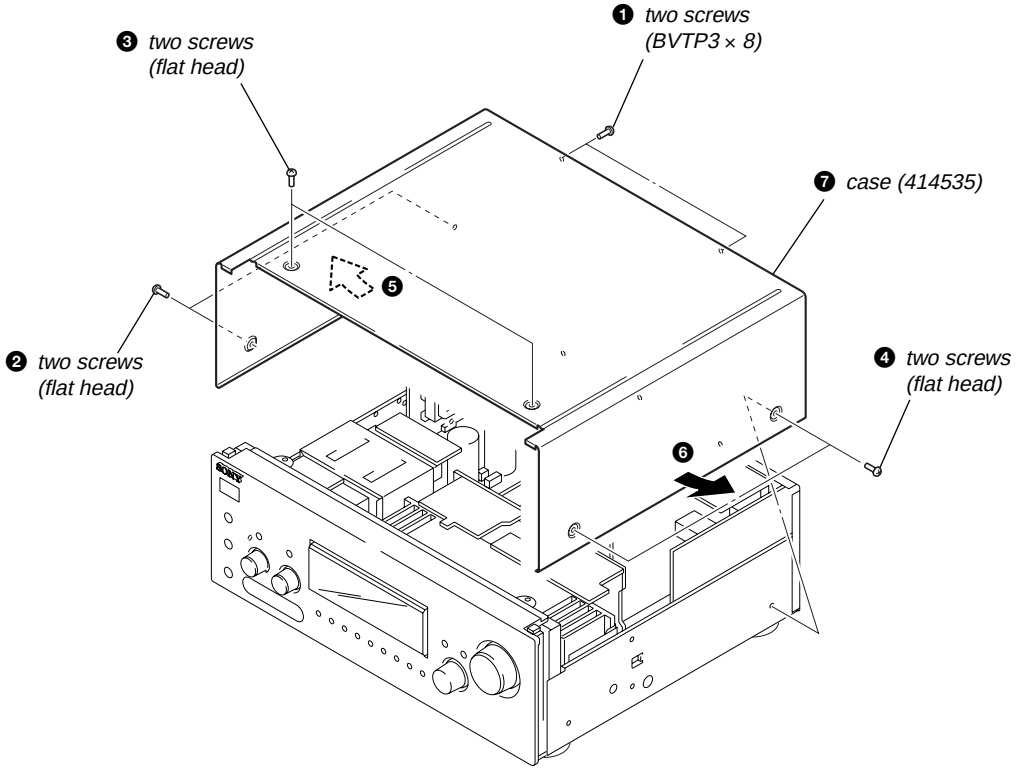
• This set can be disassembled in the order shown below.

3-1. DISASSEMBLY FLOW

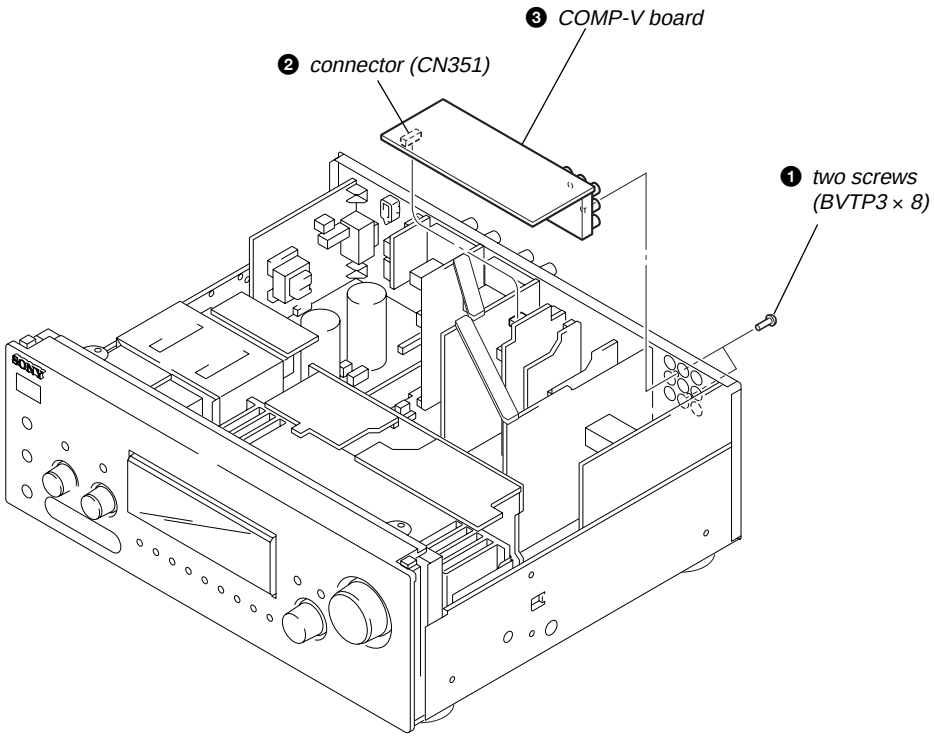

SET
3-2. CASE (414535) (Page 11)
3-3. COMP-V BOARD (Page 11)
3-4. BACK PANEL BLOCK (Page 12)
3-5. MAIN BLOCK (Page 12)
3-6. DIGITAL BOARD (Page 13)
3-7. STAY3/STAY4/SP-B/SP-A/S-VIDEO/ VIDEO/VIDEO-AU/AU-IN BOARD (Page 13)
3-8. MAIN BOARD (Page 14)

Note: Follow the disassembly procedure in the numerical order given.

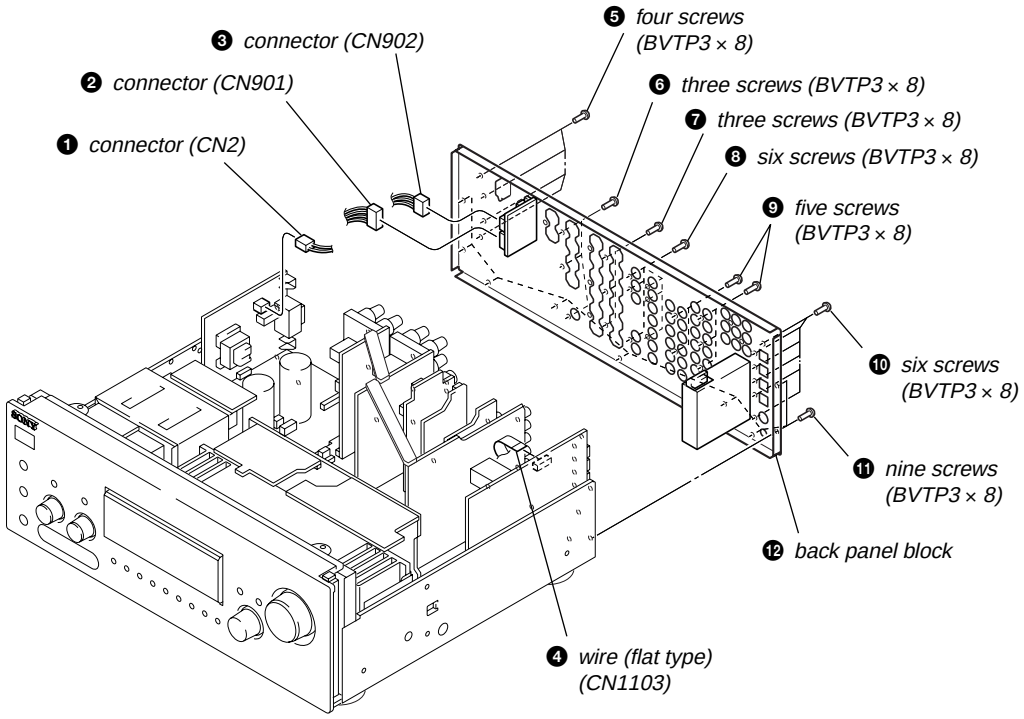
3-2. CASE (414535)



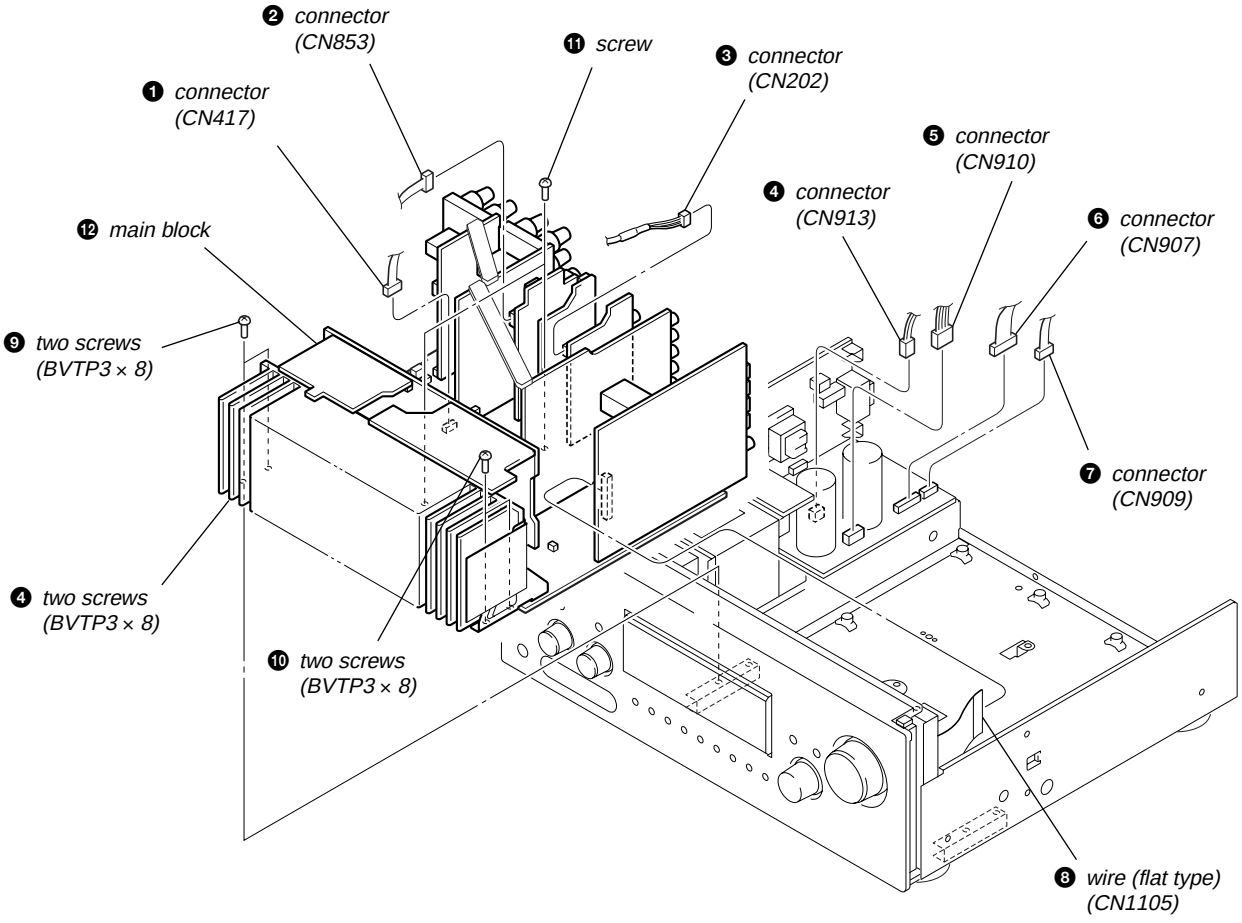
3-3. COMP-V BOARD



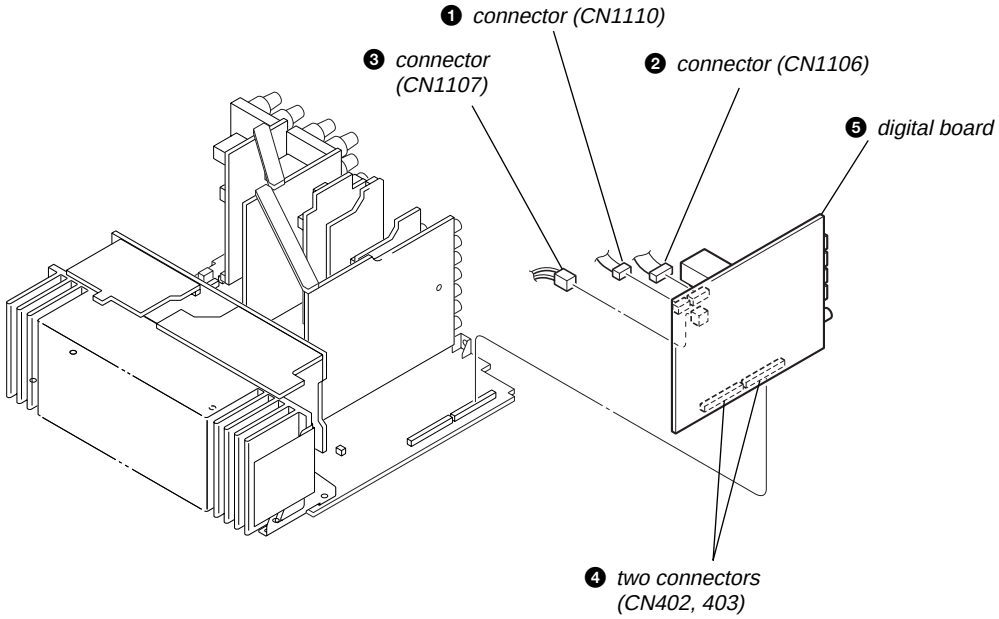
3-4. BACK PANEL BLOCK


❸ connector (CN902)
❺ four screws (BVTP3 × 8)
❷ connector (CN901)
❻ three screws (BVTP3 × 8)
❼ three screws (BVTP3 × 8)
❶ connector (CN2)
❽ six screws (BVTP3 × 8)
❾ five screws (BVTP3 × 8)
❿ six screws (BVTP3 × 8)
⓫ nine screws (BVTP3 × 8)
⓬ back panel block
❹ wire (flat type) (CN1103)

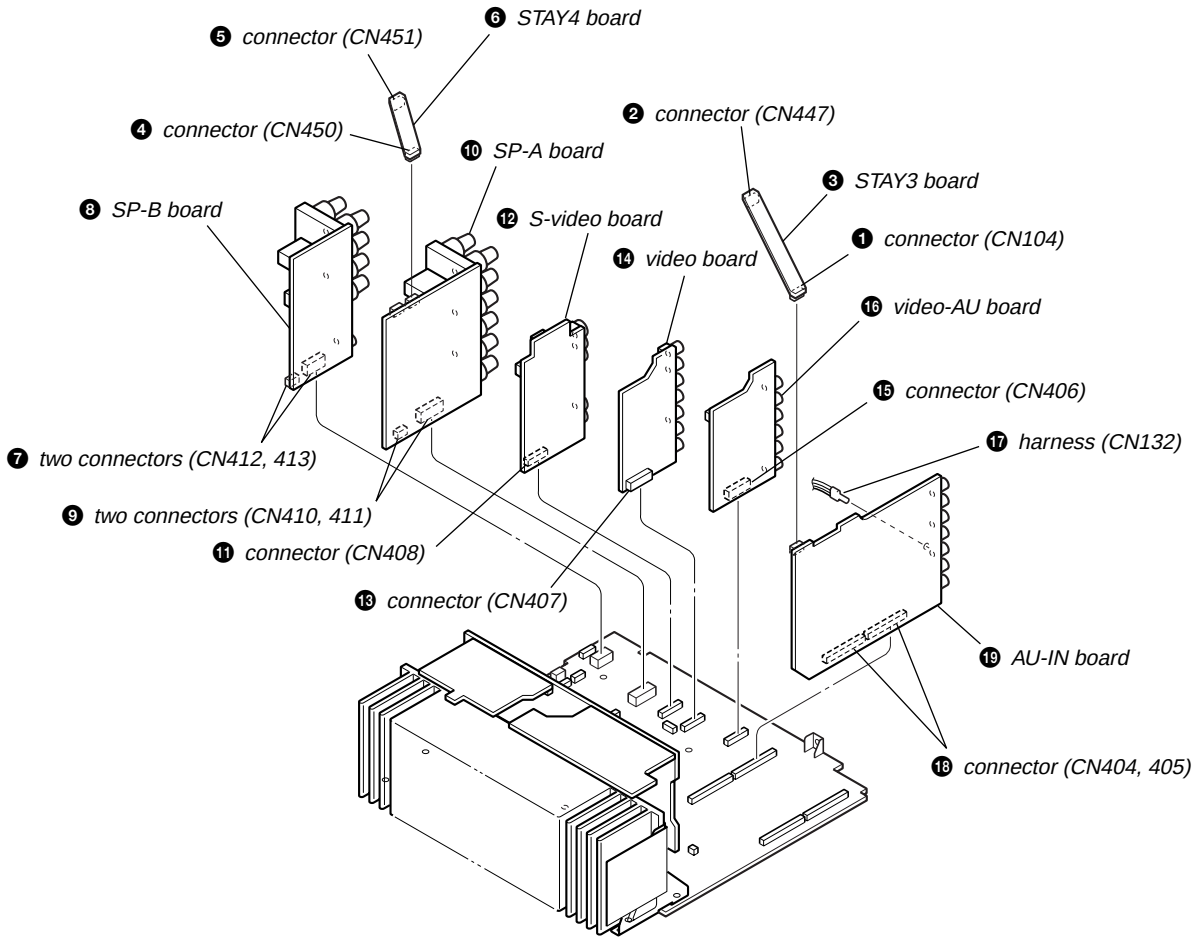
3-5. MAIN BLOCK



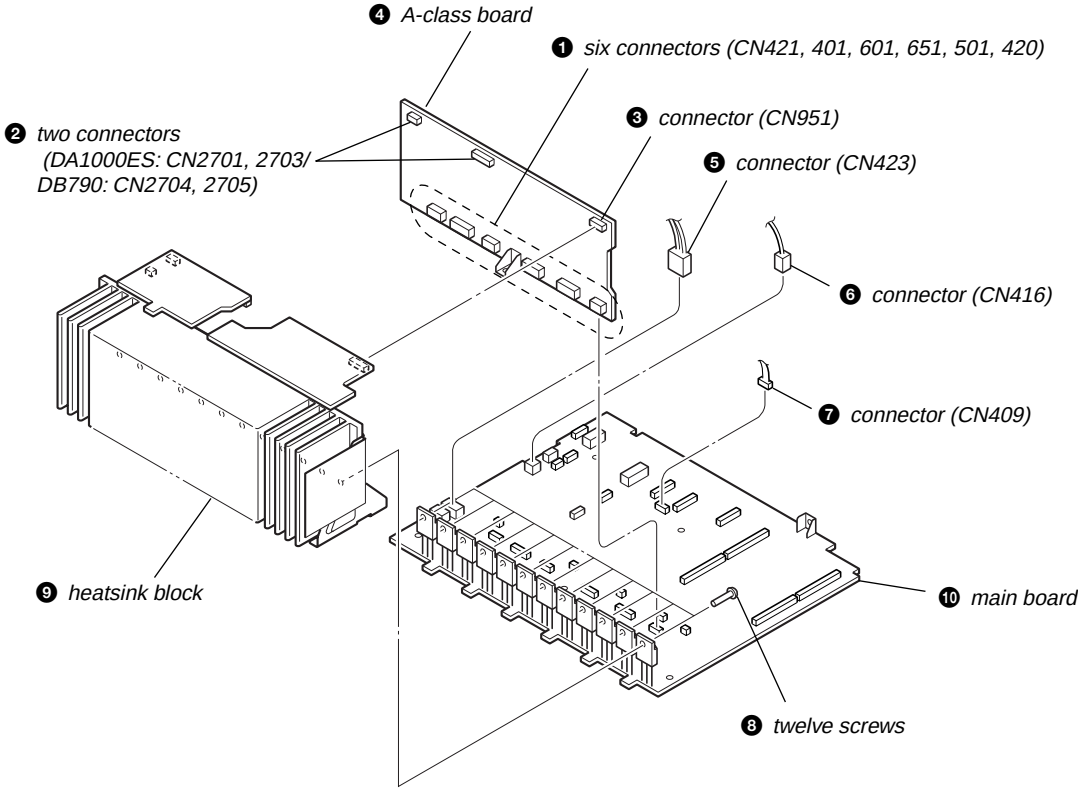
3-6. DIGITAL BOARD



3-7. STAY3/STAY4/SP-B/SP-A/S-VIDEO/VIDEO/VIDEO-AU/AU-IN BOARD



3-8. MAIN BOARD



SECTION 4
TEST MODE

TUNER FACTORY PRESET MODE

All preset contents are reset to the default setting.

Procedure:

1. While pressing the SURR BACK DECODING and PRESET TUNING – buttons, press the I/⏻ button to turn on the main power.
2. The message "FACTORY" appears and the present contents are reset to the default values.

TUNER AM STEP CHANGE (9 kHz/10 kHz) MODE (STR-DA1000ES)

Either the 9 kHz step or 10 kHz step can be selected for the AM channel step.

Procedure:

1. Press the I/⏻ button to turn on the main power.
2. Turn the INPUT SELECTOR dial to select the "AM"
3. Press the I/⏻ button to turn off the main power.
4. While pressing the PRESET TUNING + or TUNING + button, press the I/⏻ button to turn on the main power.
5. Either the message "9 K STEP" or "10 K STEP" appears. Select the desired step.

TUNER AUTOBETICAL TUNING MODE (STR-DB790: AEP and UK models)

Procedure:

1. While pressing the MEMORY/ENTER button, press the I/⏻ button to turn on the main power.
2. The message "AUTO-BETICAL SELECT" appears and scans and stores all the FM and FM RDS stations in the broadcast area.
3. When done, the message "FINISH" appears.

SOUND FIELD CLEAR MODE

The preset sound field is cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.

Procedure:

1. While pressing the MUSIC button, press the I/⏻ button to turn on the main power.
2. The message "SF. CLR." appears and initialization is performed.

ALL CLEAR MODE

All preset contents are cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.

Procedure:

1. While pressing the INPUT MODE and MEMORY/ENTER buttons, press the I/⏻ button or press the I/⏻ button for more than five seconds to turn on the main power.
2. The message "INITIAL" appears and the memories are reset to the default values.

VOLUME CHECK MODE

Procedure:

1. Enter the swap mode. (Refer to the "DSP TEST MODE" (see page16))
2. Press the DISPLAY button.
3. The massage "–oodB" appears. (Volume level is "MIN")
4. Press the DISPLAY button once again.
5. The message "–58.0dB" appears. (Volume level is "MID")
6. Press the DISPLAY button once again.
7. The massage "0.0dB" appears. (Volume level is "MAX")

FLUORESCENT INDICATOR TUBE PATTERN CHECK MODE

All fluorescent segments are tested. When this test is activated, all segments turn on at the same time, then each segment turns on one after another.

Procedure:

1. While pressing the DISPLAY and MEMORY/ENTER buttons, press the I/⏻ button to turn on the main power.
2. All segments and MULTI CHANNEL DECODING indicator LED turn on.
3. Turn the INPUT SELECTOR dial.
4. Half of segments turn on and MULTI CHANNEL DECODING indicator LED turn off.
5. Turn the INPUT SELECTOR dial once again.
6. Others half of segments and MULTI CHANNEL DECODING indicator LED turn on.
7. Turn the INPUT SELECTOR dial once again.
8. All segments and MULTI CHANNEL DECODING indicator LED turn off.

KEY CHECK MODE

When this mode is used, the destination and the software version number are displayed.

Procedure:

1. While pressing the MAIN MENU and DISPLAY buttons, press the I/⏻ button to turn on the main power.
2. The message "REST 14" appears.
3. Every pressing of any button other than the I/⏻ button counts down the buttons. The buttons which are already counted once are not counted again.
4. When all buttons are pressed, the message "REST 00" appears.

SHIPMENT MODE

All preset contents are cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.

Procedure:

1. While pressing the TUNING + and MUSIC buttons, press the I/⏻ button to turn ton the main power.
2. The memories are reset to the default values and the main power turn off automatically after seven minutes.

DSP TEST MODE

Procedure:

1. Press the I/⏻ button to turn on the main power, then while pressing the MEMORY/ENTER button, press the SURR BACK DECODING button.
2. The message “SPECIAL” appears.
3. Each time the MENU dial is turned clockwise, the item is switched in order as follows .

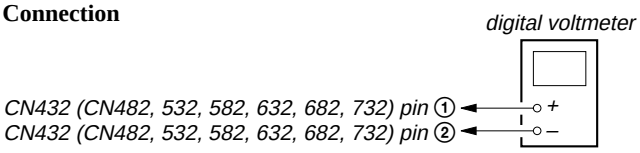
Items	Display	Remark
Destination and software	**** XXX	****: destination, XXX: software version
Model name	DA1000 or DB790	Never change (IF changed, INITIALIZE works every AC on)
Destination change	DES. XXXX	XXXX: destination
Command mode change	C.MODE.AV1 or C.MODE.AV2	
Volgate limiter working level	V.LIM. > XX	Never change
Power control after protector on	PROT.EVER or PROT.OFF	When PROTECTOR works, system power is automatically down after 5 sec for safety (Set “Ever On” for the servicing)
SWAP	SWP. XXXX	Switching with –/+ dial
Bass management	BM. XXXX	AUTO, OFF, 1 to 28 (switching with –/+ dial)
Co-ef. Read address	RA.12XXX	Turn the –/+ dial to switch the read data address
Co-ef. Read data	RD.XXXXXX xx	Value is read data
Co-ef. Write address	WA.12XXX	Turn the –/+ dial to switch the write data address
Co-ef. Write data	WD.XXXXXX xx	Turn the –/+ dial to set the write data
Total operation time	TTL-XXXX xx	4 large character is hour, 2 small character is minutes
Longest power on time	LNG-XXXX XX	
Volume < – 50 dB time display	V50-XXXX XX	
Volume < – 40 dB time display	V40-XXXX XX	
Volume < – 30 dB time display	V30-XXXX XX	
Volume < – 20 dB time display	V20-XXXX XX	
Volume < – 10 dB time display	V10-XXXX XX	
Volume < 0 dB time display	V00-XXXX XX	
Protector count value	PROT XXX	0 to 255
EEPROM condition	E-XXXXX	S RST (super reset, first time use EEPROM, test pattern corrupted) FAIL (EEPROM read/write with microprocessor have problem) V CHG (software version change) D CHG (destination/model change) CLEAR (back up data initialize) NORM (normal AC on)
EEPROM read	E-XXX-XX	First four hex code is EEPROM address Last two hex code is EEPROM data
EEPROM super reset	S.RST-YES or S.RST-NO	Not used for the servicing When EEPROM initialization is required, perform the “all clear mode” (see page 15)

SECTION 5
ELECTRICAL ADJUSTMENT

BIAS ADJUSTMENT

Condition:
input signal: no signal (no load)
volume: minimum

Connection

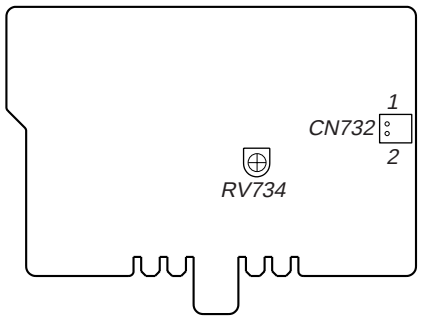


Procedure:
1. Connect a digital voltmeter to the CN432 (CN482, CN532, CN582, CN632, CN682) on the MAIN board or CN732 on the SBL board (STR-DA1000ES only).
2. Press the I/⏻ button to turn on the main power.
3. Adjust the RV431 (RV481, RV531, RV581, RV631, RV681) on the MAIN board or RV731 on the SBL board (STR-DA1000ES only) so that the digital voltmeter reading is 2±0.5 mV.

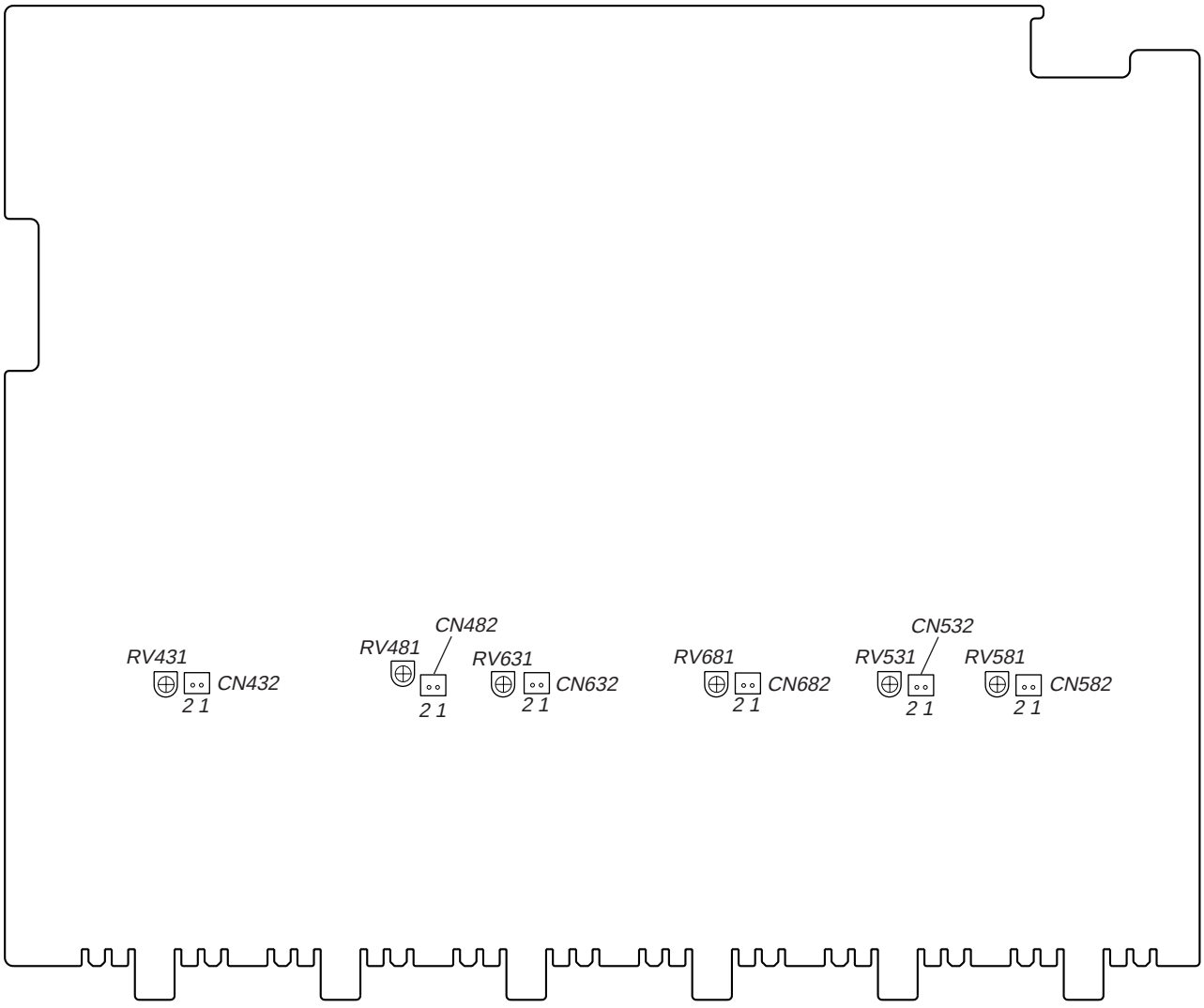
Note: When the adjusting voltage is higher than 2±0.5 mV, adjust the voltage to the minimum voltage.

Adjustment and Connection Loacation:

– SBL BOARD (Component Side) –



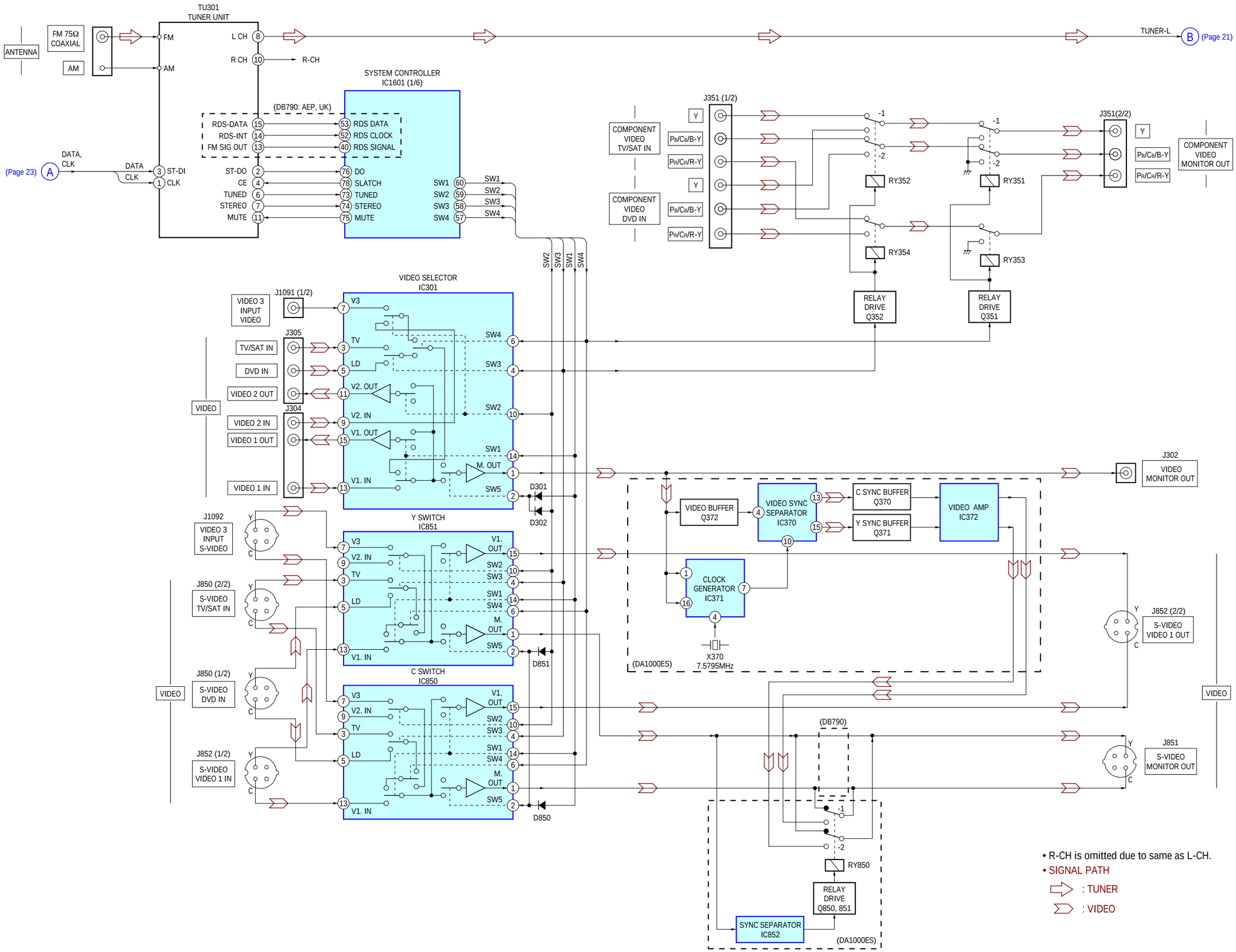
– MAIN BOARD (Component Side) –



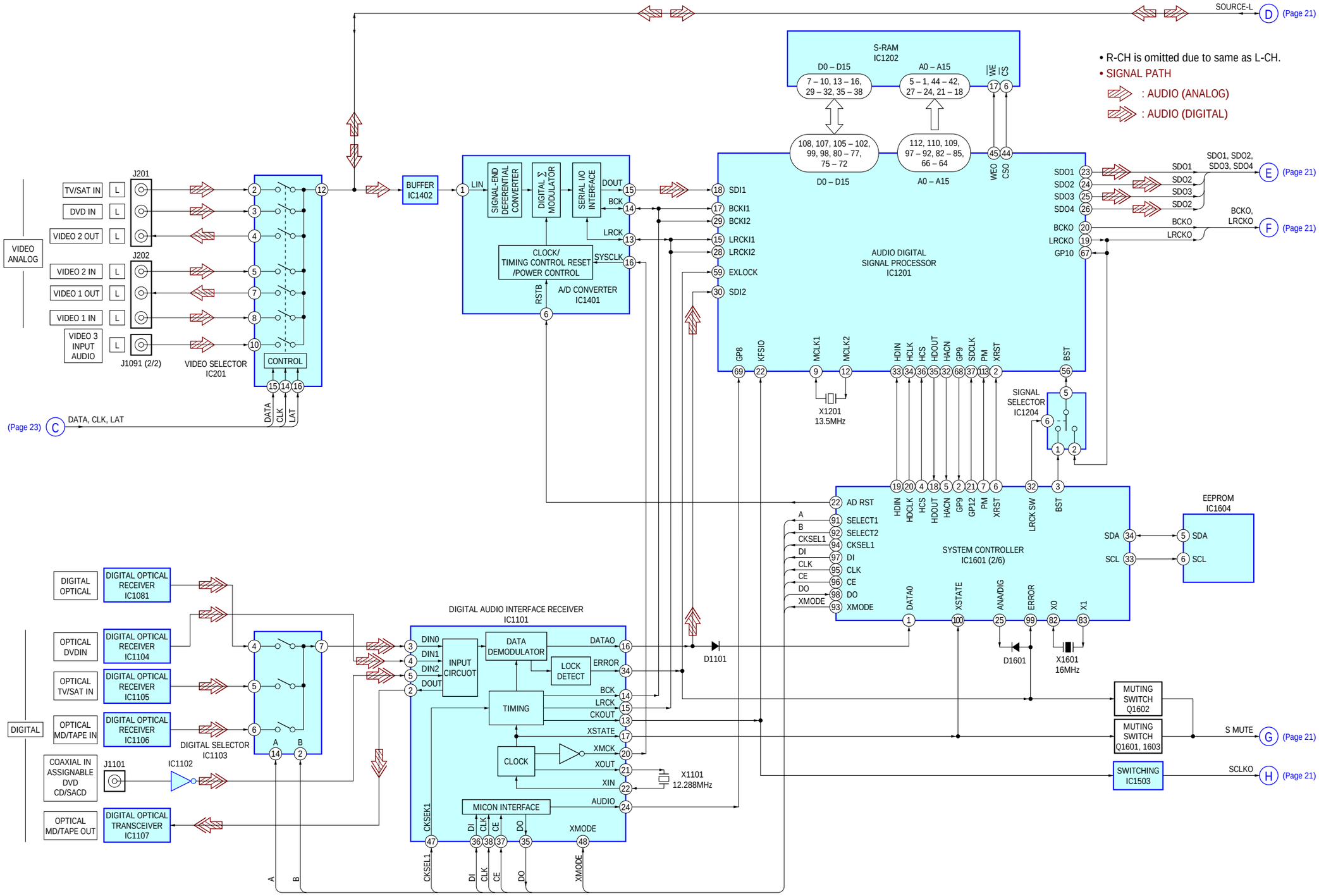
MEMO

SECTION 6
DIAGRAMS

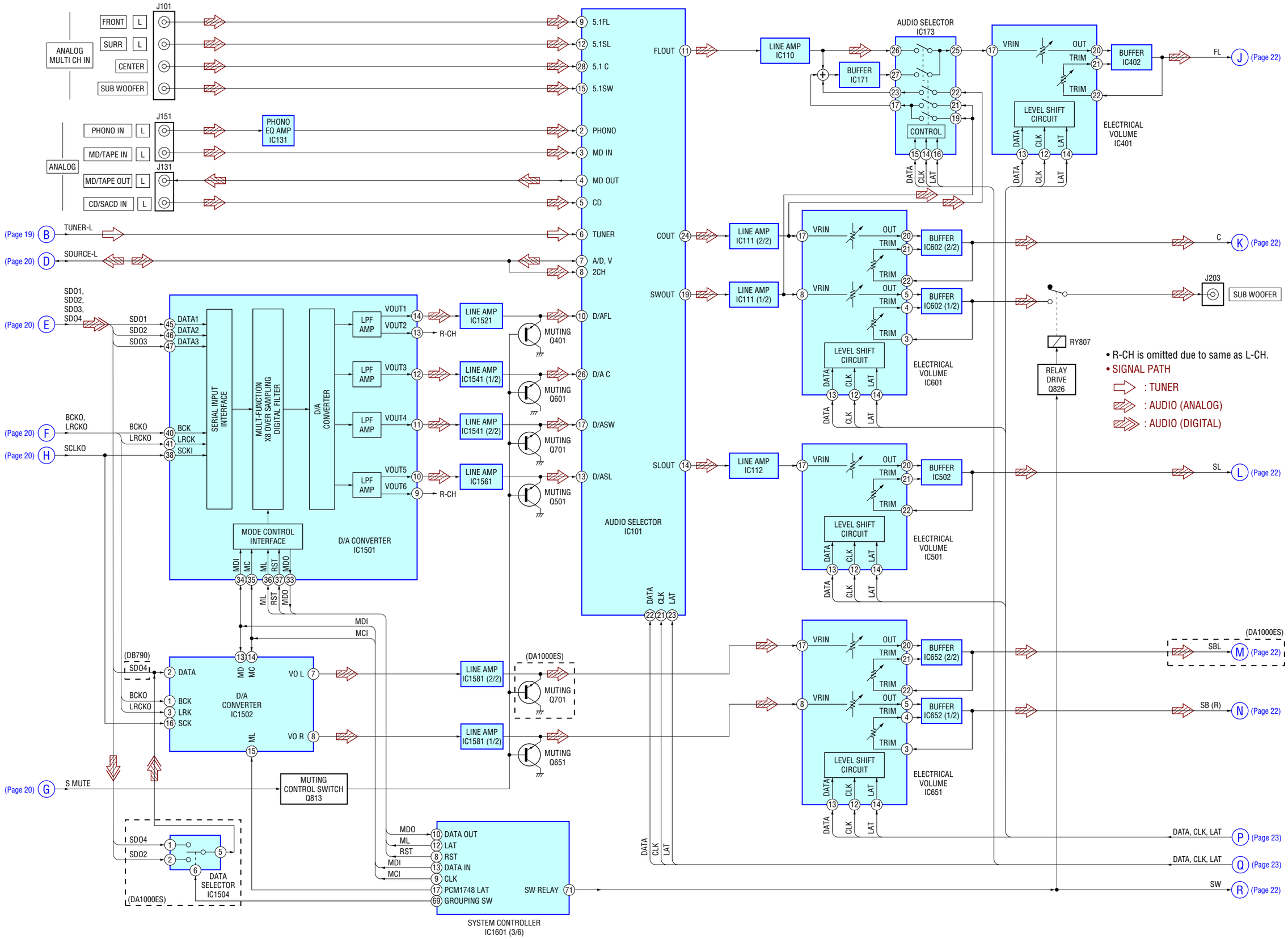
6-1. BLOCK DIAGRAM – TUNER/VIDEO Section –



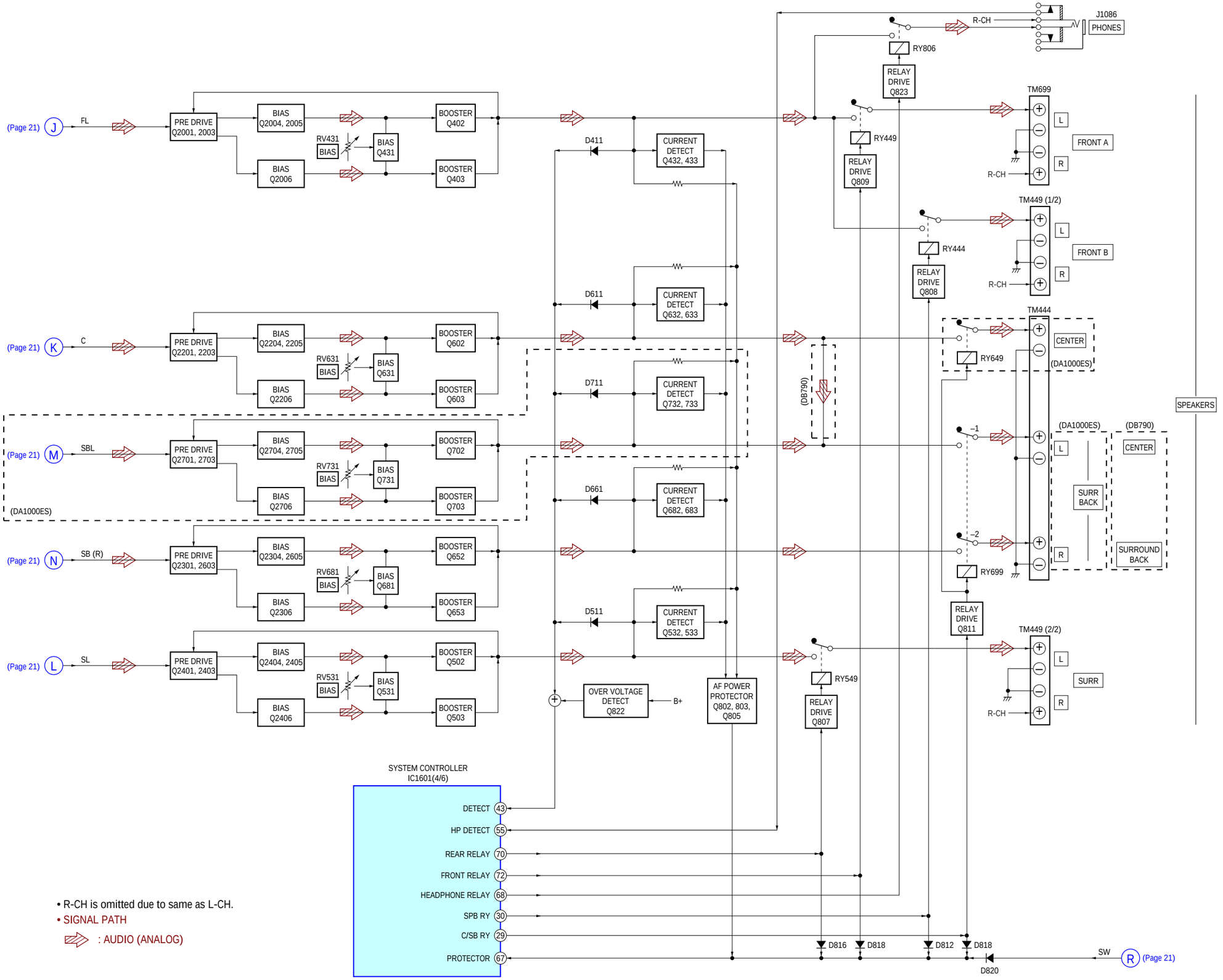
6-2. BLOCK DIAGRAM – AUDIO DSP Section –



6-3. BLOCK DIAGRAM – AUDIO CONTROL Section –

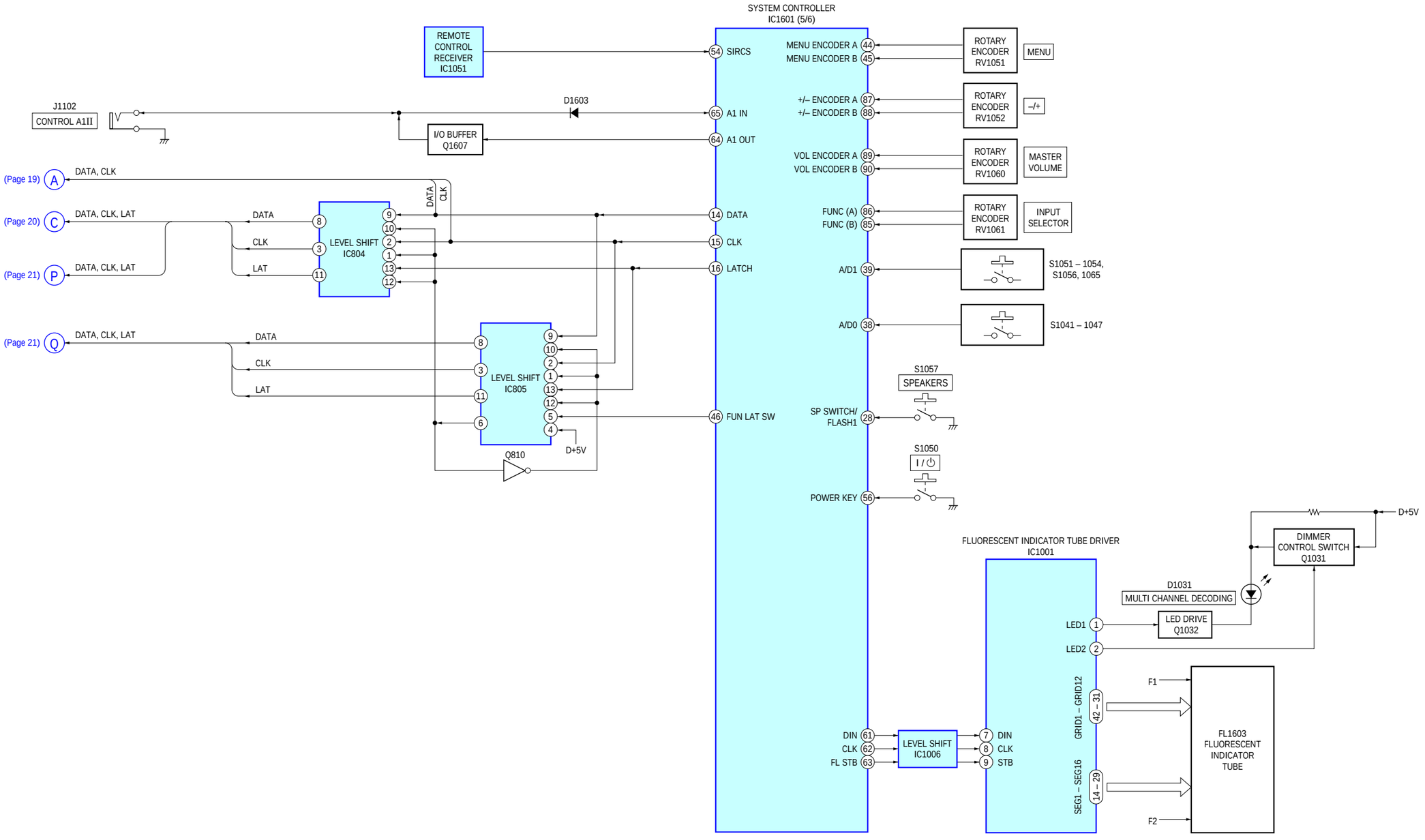


6-4. BLOCK DIAGRAM – AUDIO AMP Section –

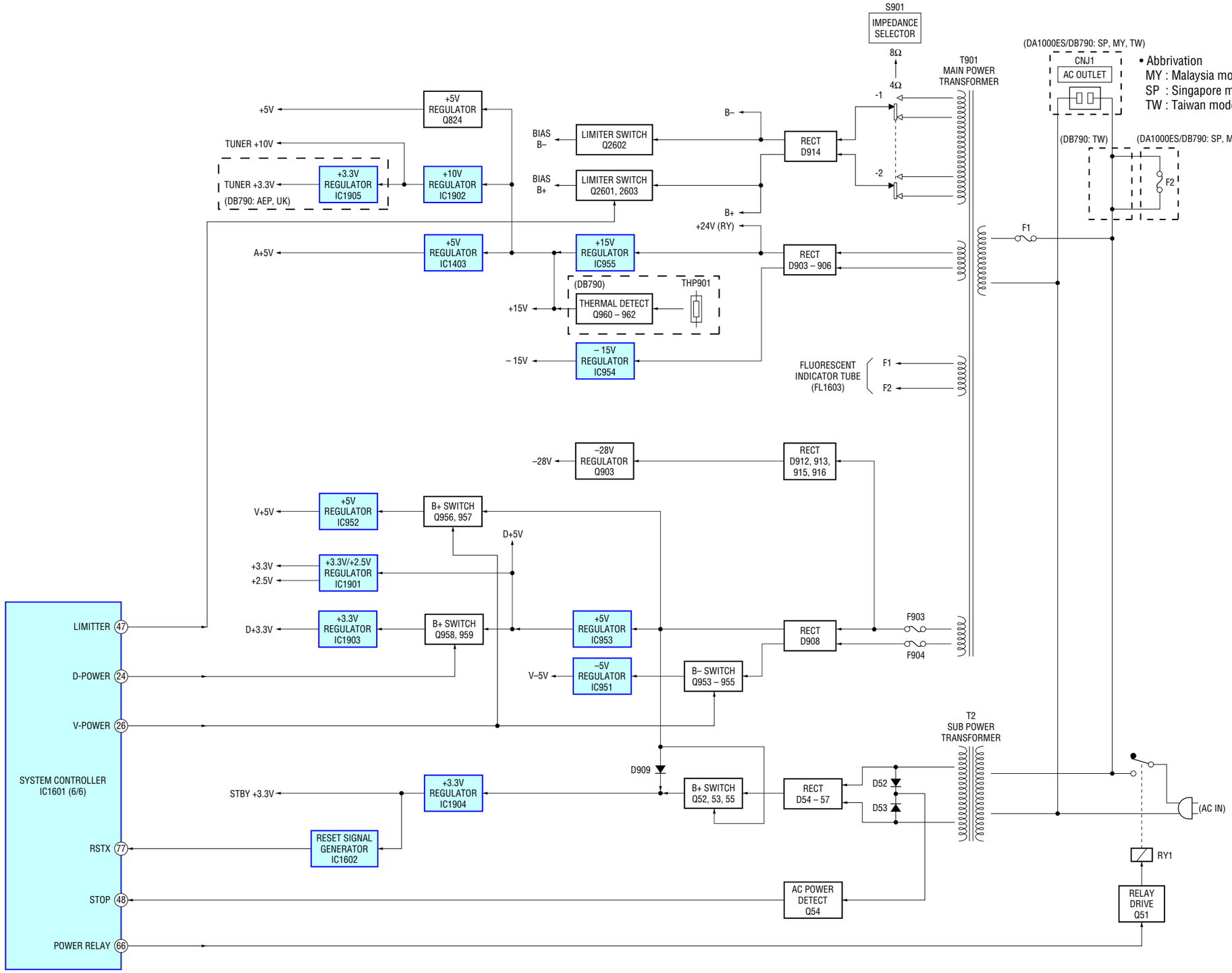


• R-CH is omitted due to same as L-CH.
• SIGNAL PATH
: AUDIO (ANALOG)

6-5. BLOCK DIAGRAM – DISPLAY/KEY CONTROL Section –



6-6. BLOCK DIAGRAM – POWER SUPPLY Section –



6-7. NOTE FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

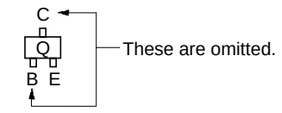
Note on Printed Wiring Board:

- ○——— : parts extracted from the component side.
- ——— : parts extracted from the conductor side.
- ▬ : Pattern from the side which enables seeing.

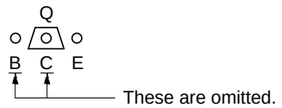
(The other layers' patterns are not indicated.)

Caution:	
Pattern face side: (Conductor Side)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Component Side)	Parts on the parts face side seen from the parts face are indicated.

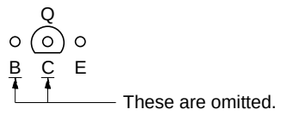
- Indication of transistor



These are omitted.



These are omitted.



These are omitted.

Note on Schematic Diagram:

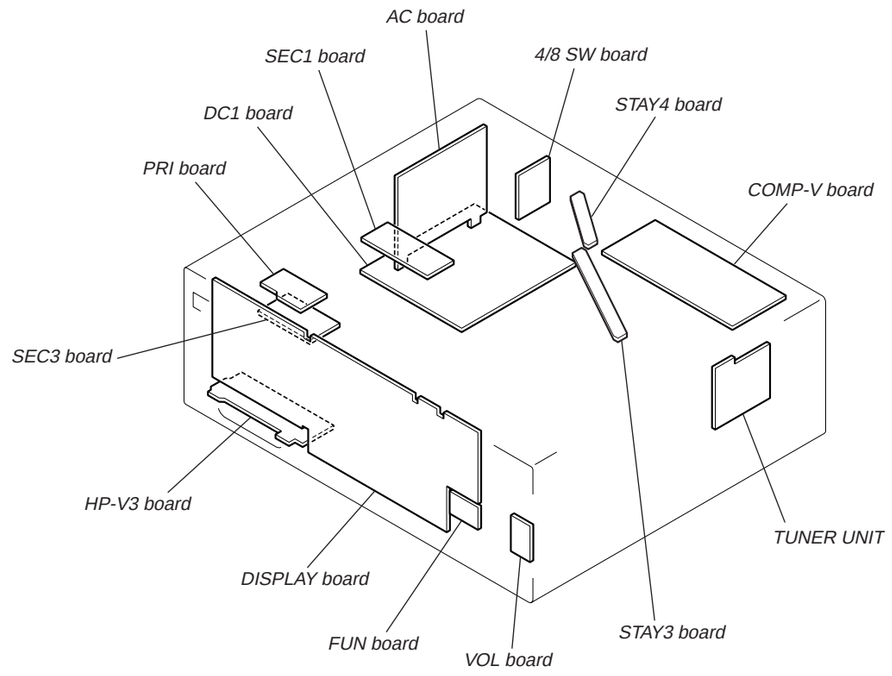
- All capacitors are in µF unless otherwise noted. pF: µµF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- : nonflammable resistor.
- : panel designation.

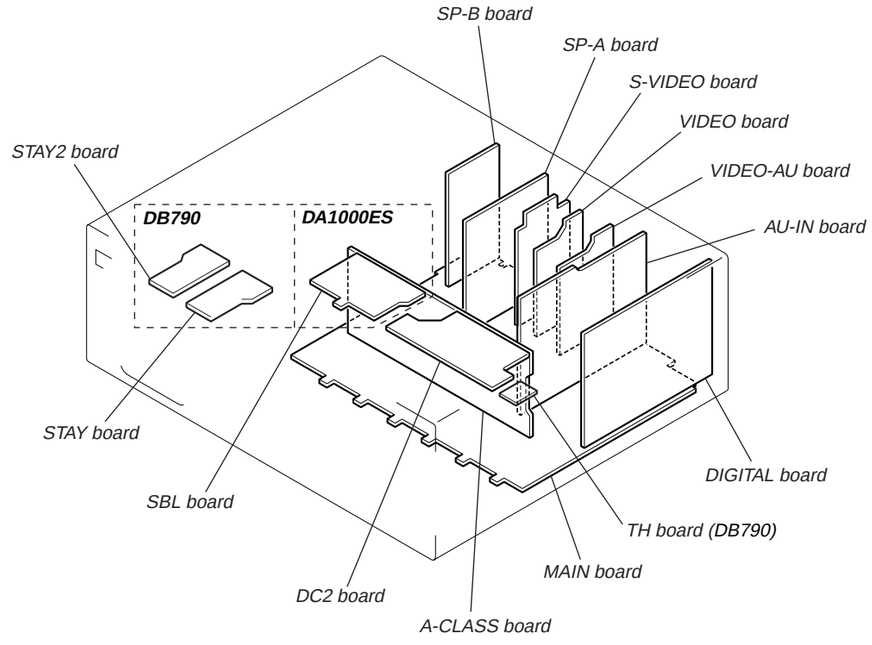
Note:	**Note:**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

以阴影和⚠标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

- : B+ Line.
- : B– Line.
- : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : TUNER
  ( ) : VIDEO 1
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  : TUNER
  : AUDIO (ANALOG)
  : AUDIO (DIGITAL)
  : VIDEO
- Abbreviation
  AUS : Australian model
  CH : Chinese model
  KR : Korean model
  MY : Malaysia model
  SP : Singapore model
  TW : Taiwan model

- **Circuit Boards Location**





6-8. PRINTED WIRING BOARD – DIGITAL Board (Component Side) –

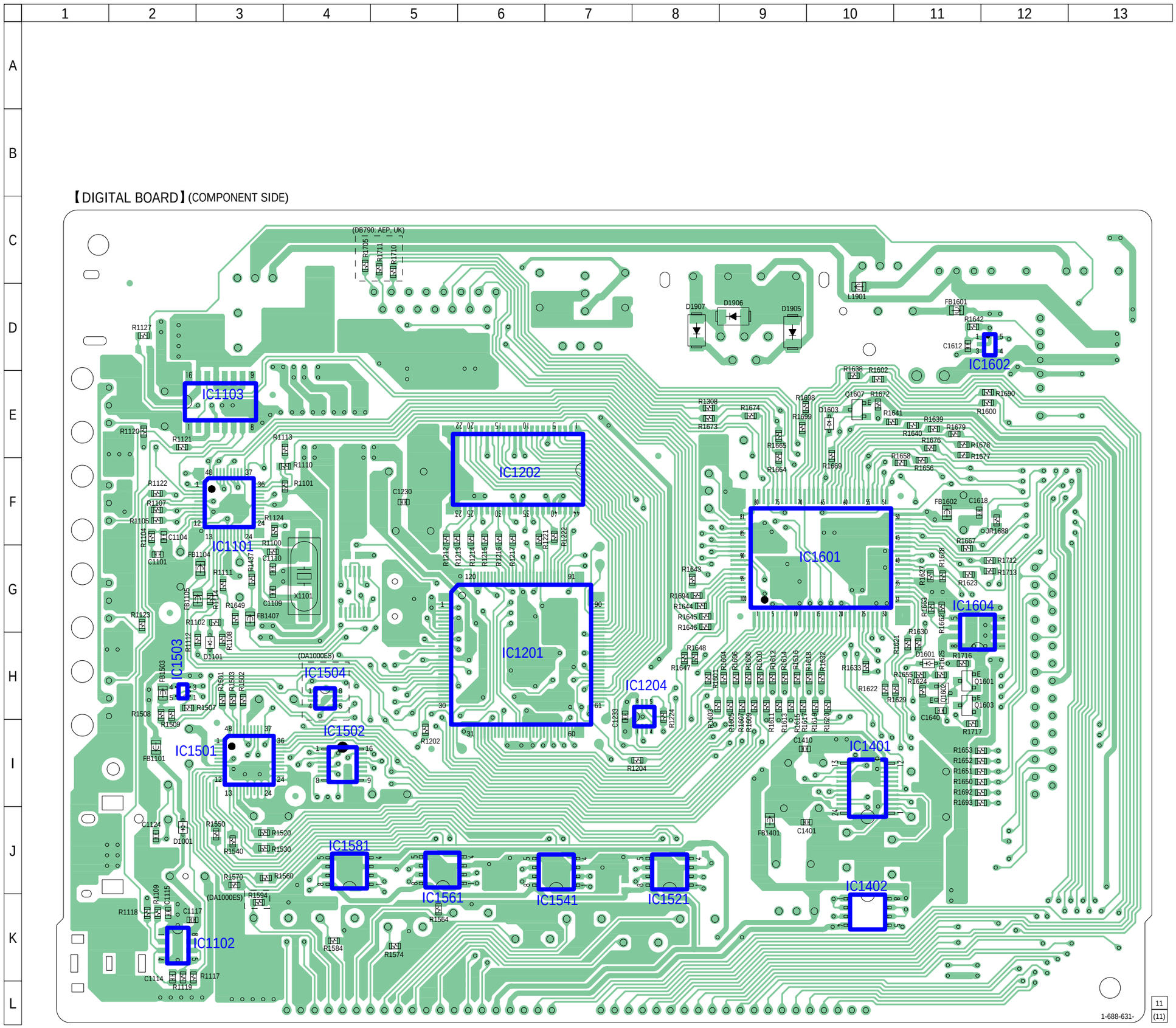
• See page 25 for Circuit Boards Location.

:Uses unleaded solder.

- **Semiconductor Location**

Ref. No.	Location
D1001	J-2
D1101	H-3
D1601	H-11
D1603	E-10
D1905	D-9
D1906	D-9
D1907	D-8
IC1101	F-3
IC1102	K-2
IC1103	E-3
IC1201	H-6
IC1202	F-6
IC1204	H-8
IC1401	I-10
IC1402	K-10
IC1501	I-3
IC1502	I-4
IC1503	H-2
IC1504	H-4
IC1521	J-8
IC1541	J-7
IC1561	J-5
IC1581	J-4
IC1601	G-10
IC1602	D-12
IC1604	G-11
Q1601	H-11
Q1602	H-11
Q1603	H-11
Q1607	E-10

【DIGITAL BOARD】(COMPONENT SIDE)



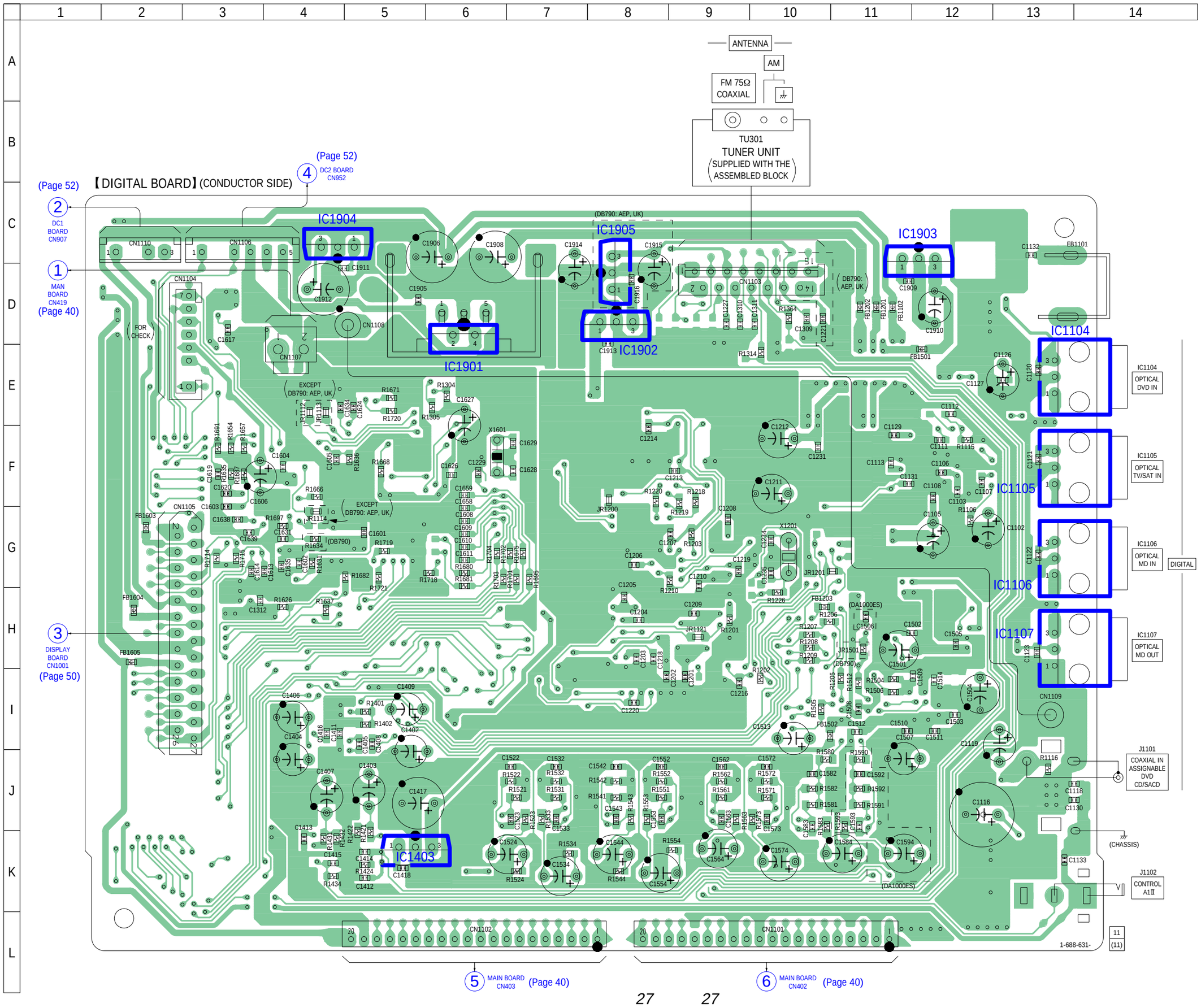
6-9. PRINTED WIRING BOARD – DIGITAL Board (Conductor Side) –

• See page 25 for Circuit Boards Location.

:Uses unleaded solder.

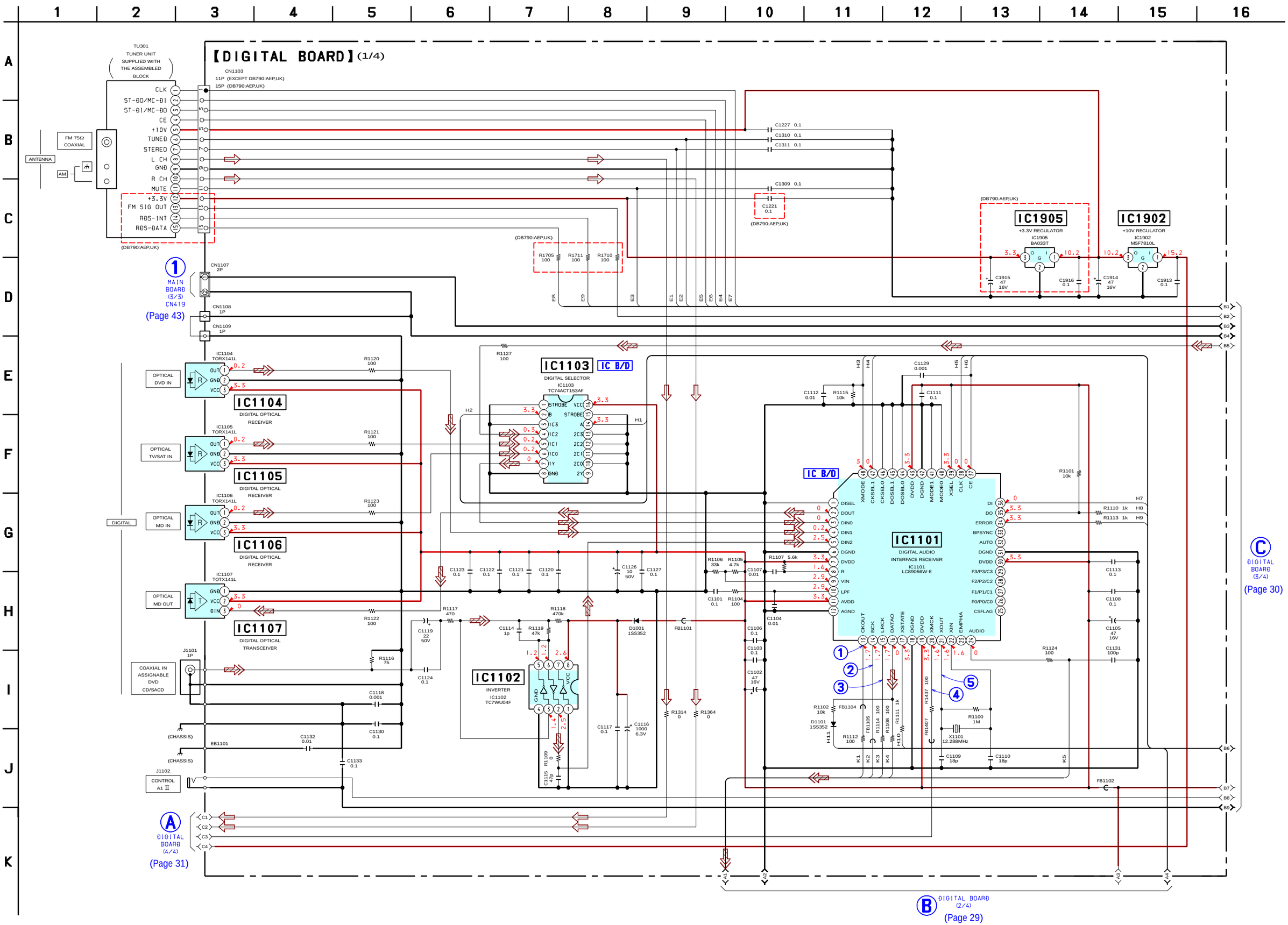
- **Semiconductor Location**

Ref. No.	Location
IC1104	E-13
IC1105	F-13
IC1106	G-13
IC1107	H-13
IC1403	K-5
IC1901	D-6
IC1902	D-8
IC1903	C-12
IC1904	C-4
IC1905	D-8

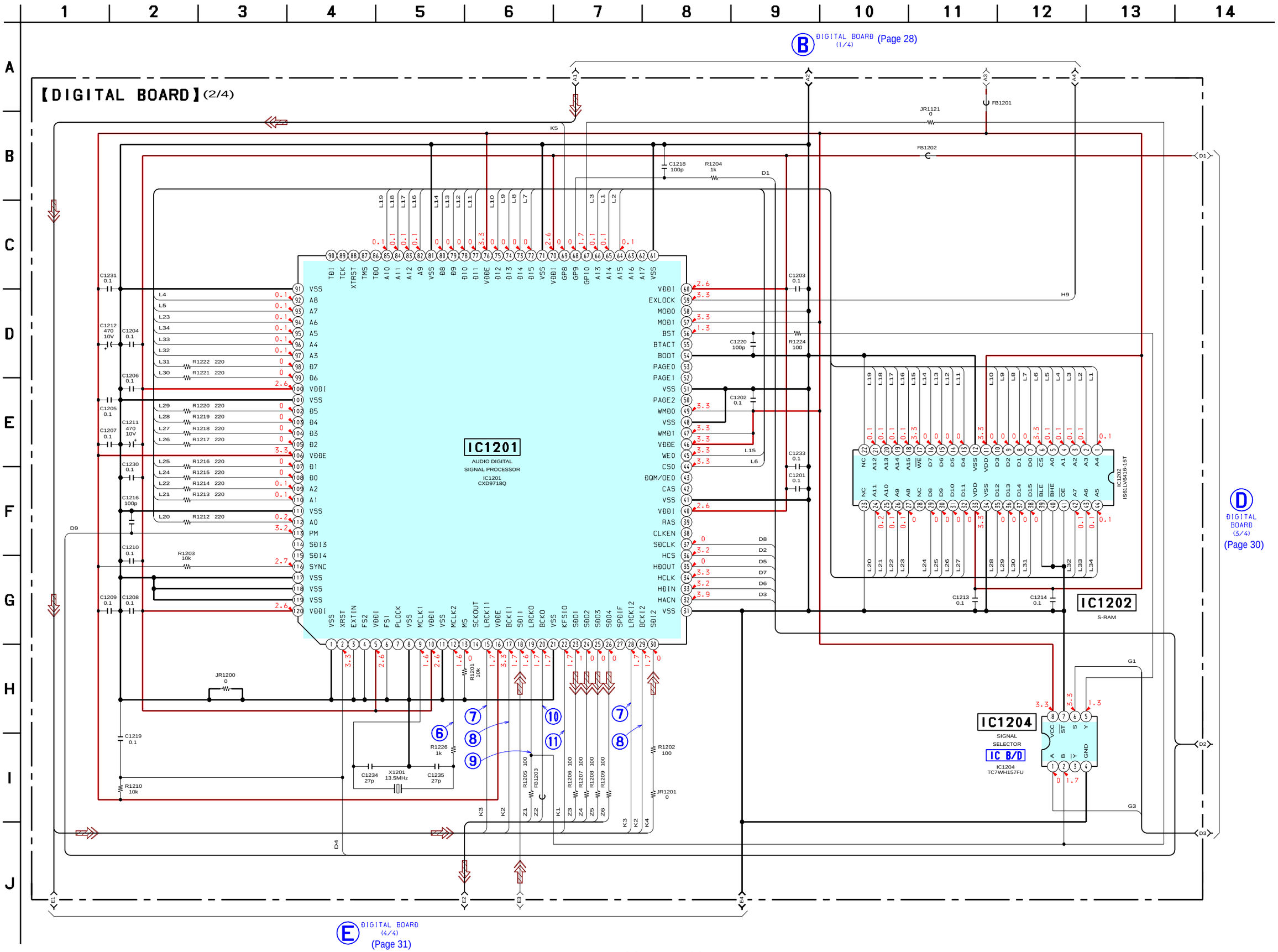


6-10. SCHEMATIC DIAGRAM – DIGITAL Board (1/4) –

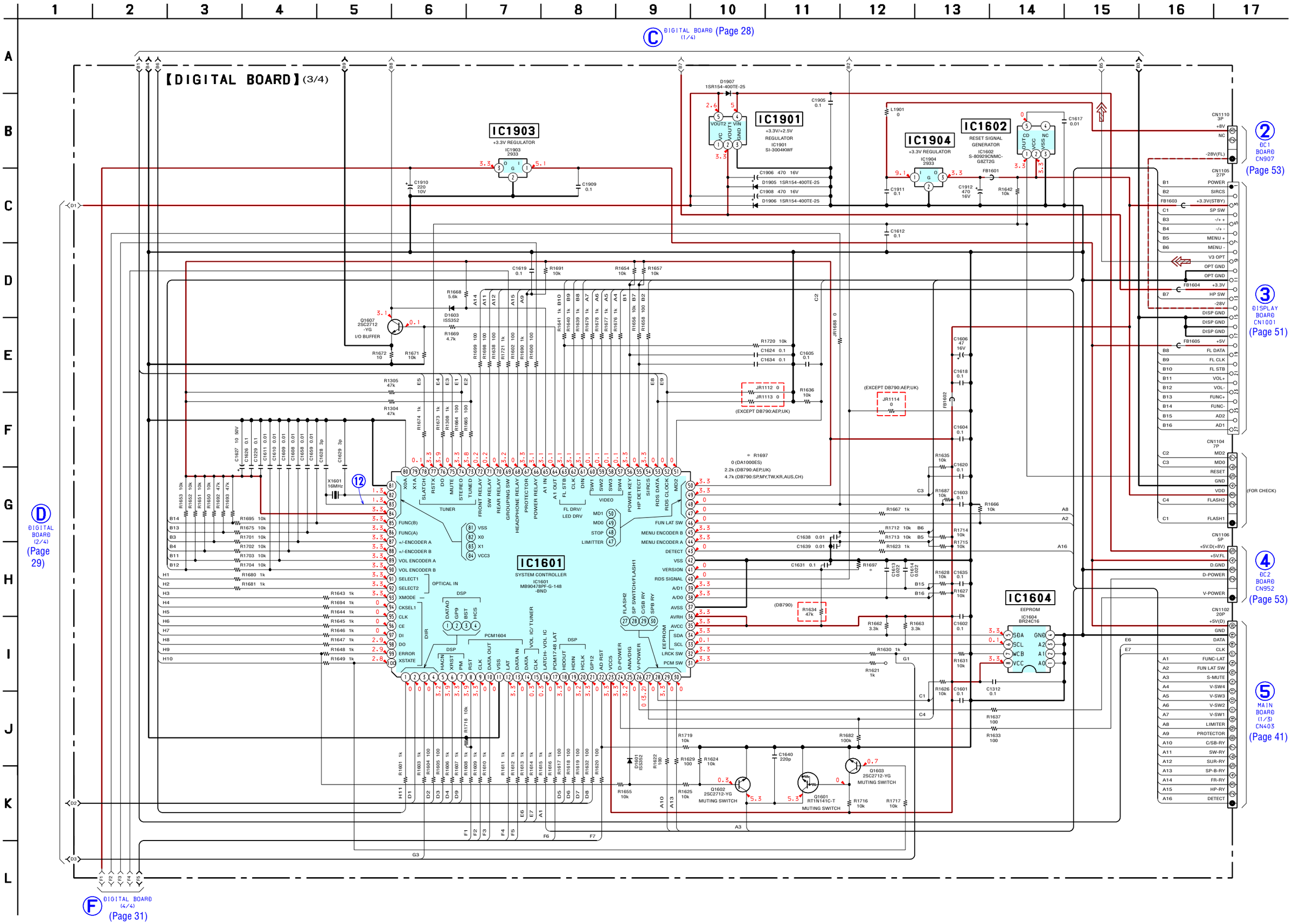
• See page 56 for Waveforms. • See page 57 for IC Block Diagrams.



6-11. SCHEMATIC DIAGRAM – DIGITAL Board (2/4) – **• See page 56 for Waveforms. • See page 57 for IC Block Diagram.**

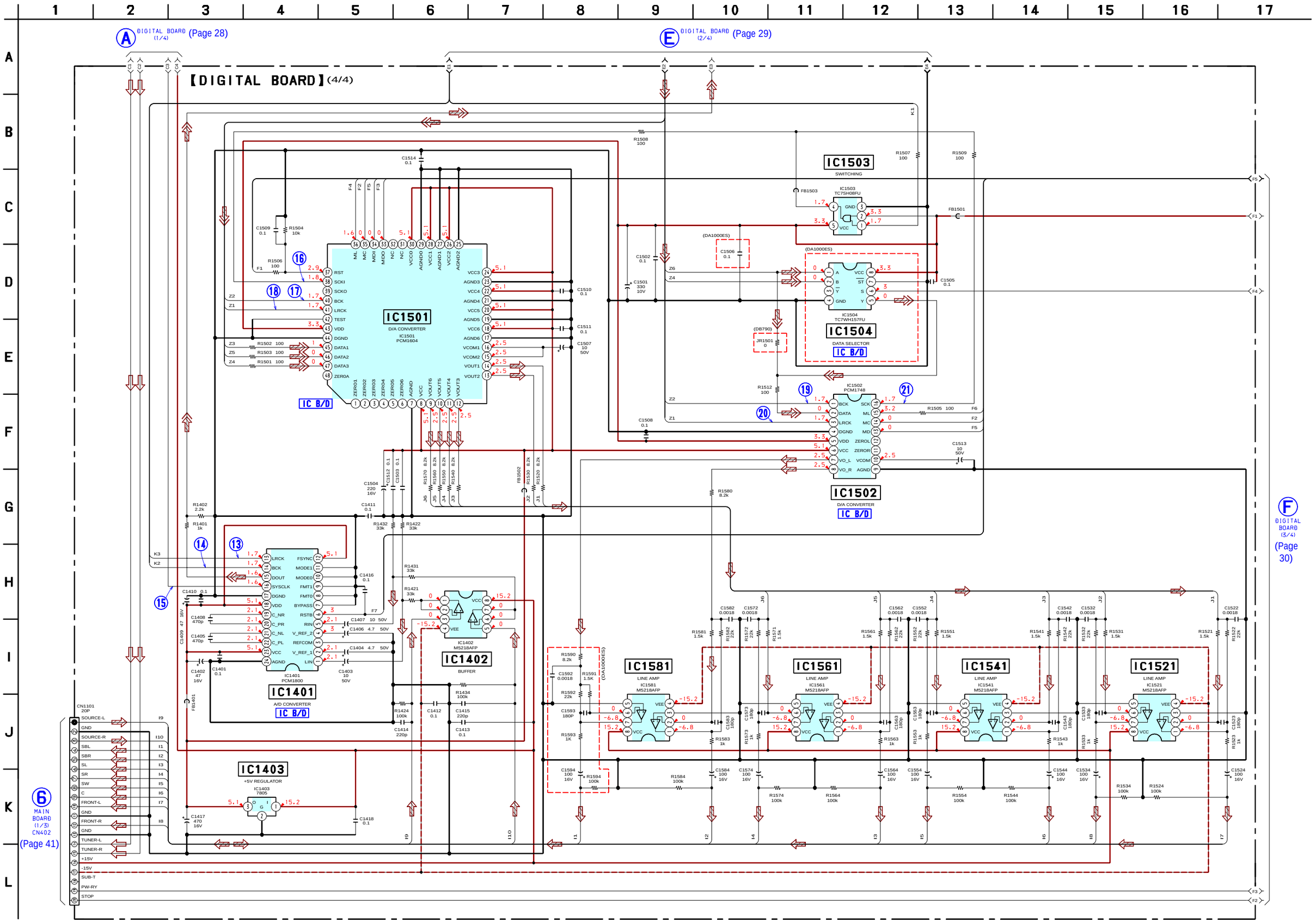


6-12. SCHEMATIC DIAGRAM – DIGITAL Board (3/4) – • See page 56 for Waveform.



6-13. SCHEMATIC DIAGRAM – DIGITAL Board (4/4) –

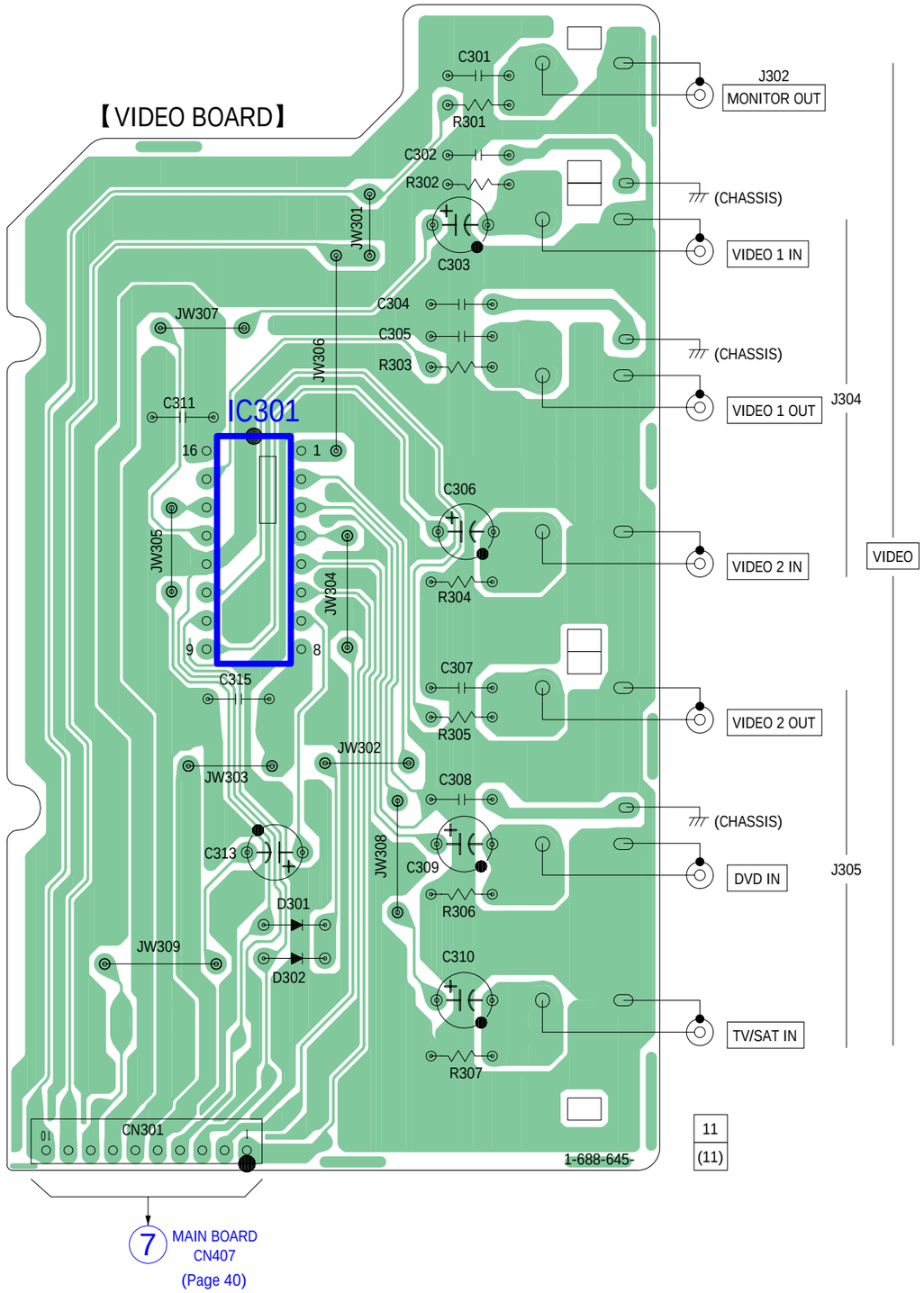
• See page 56 for Waveforms. • See page 57 for IC Block Diagrams.

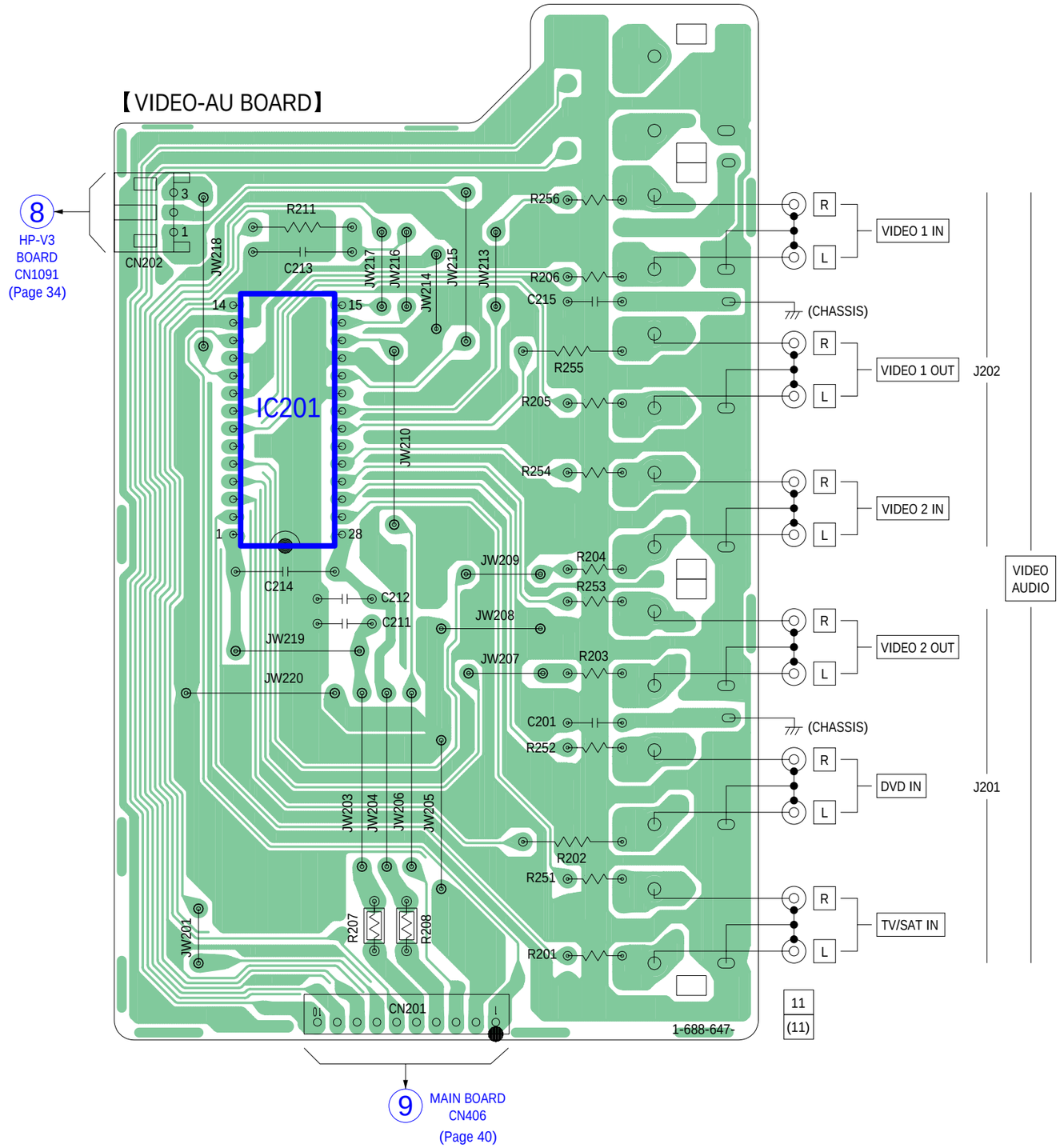


6-14. PRINTED WIRING BOARDS – VIDEO/VIDEO-AU Boards –

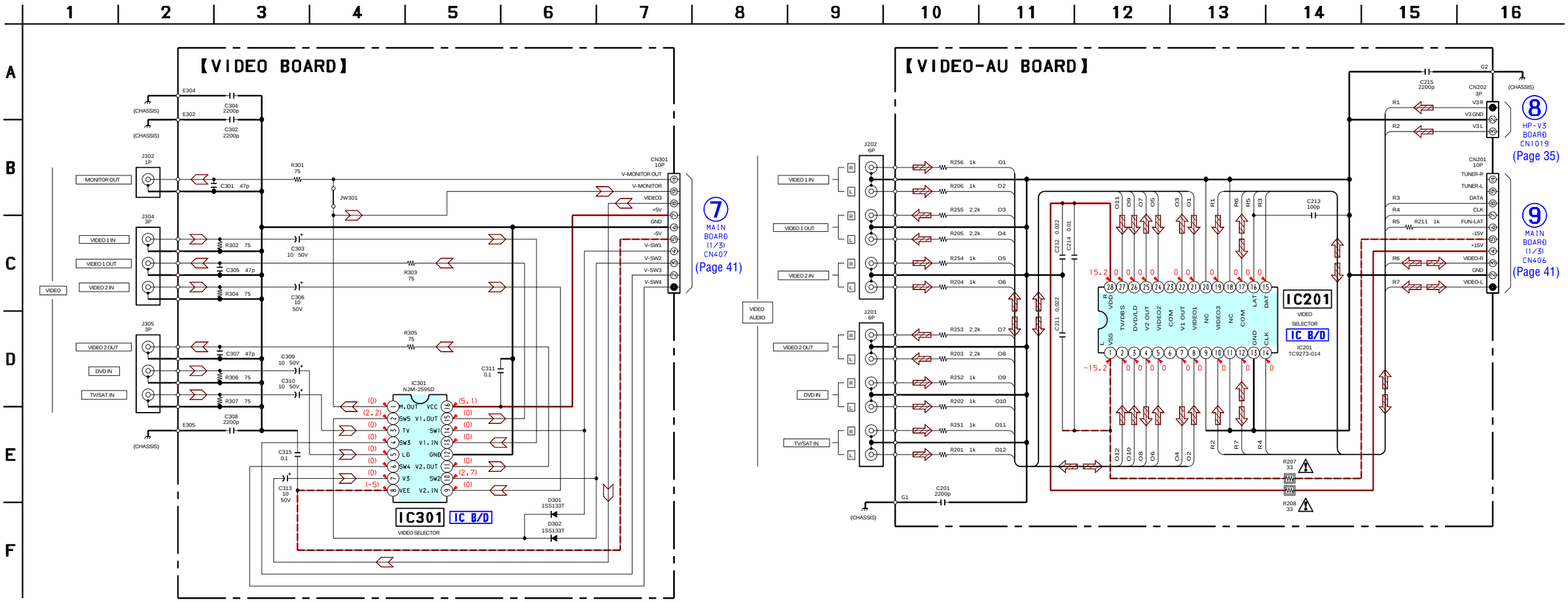
• See page 25 for Circuit Boards Location.

:Uses unleaded solder.



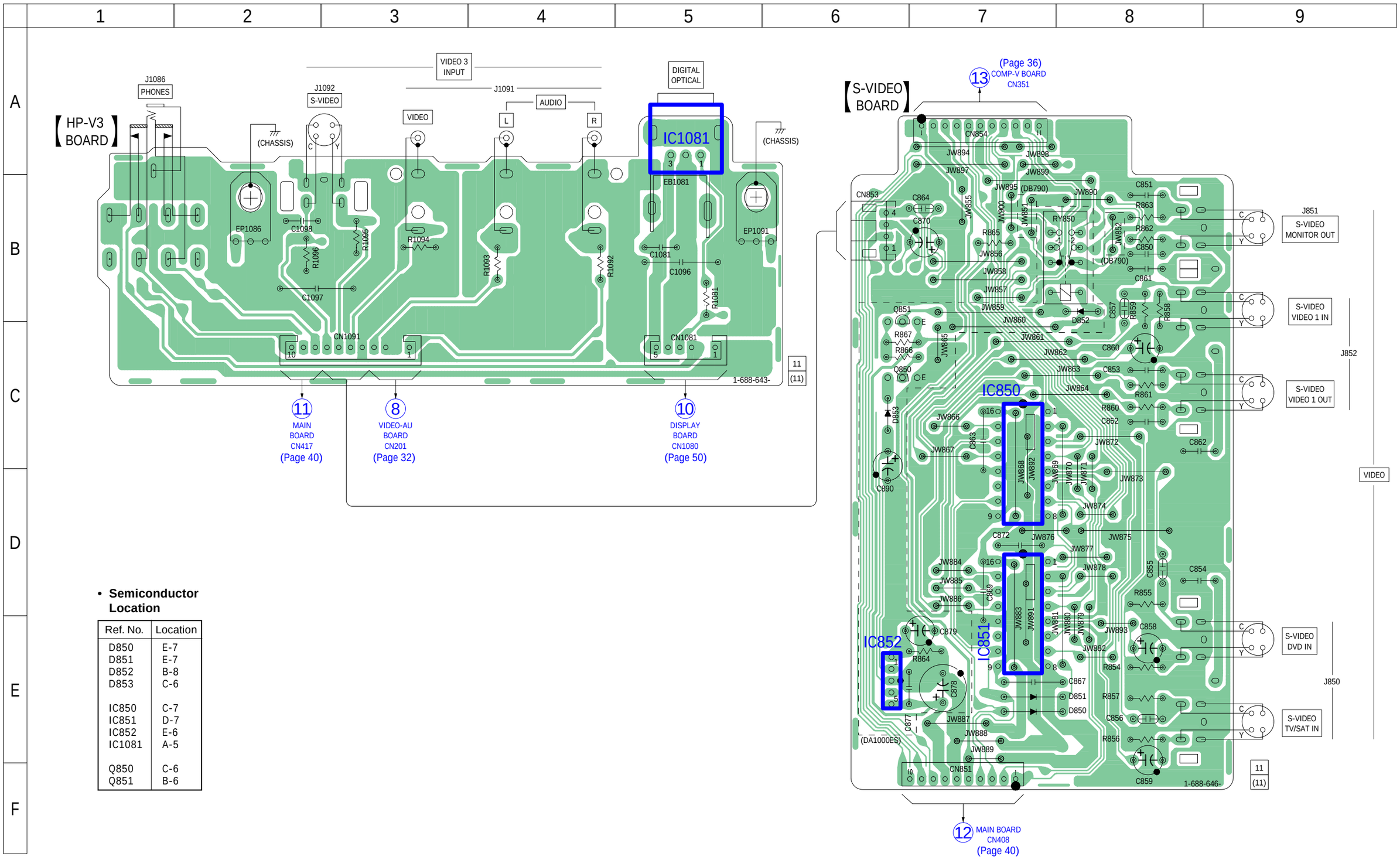


6-15. SCHEMATIC DIAGRAM – VIDEO/VIDEO-AU Boards – • See page 57 for IC Block Diagrams.



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和⚠标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

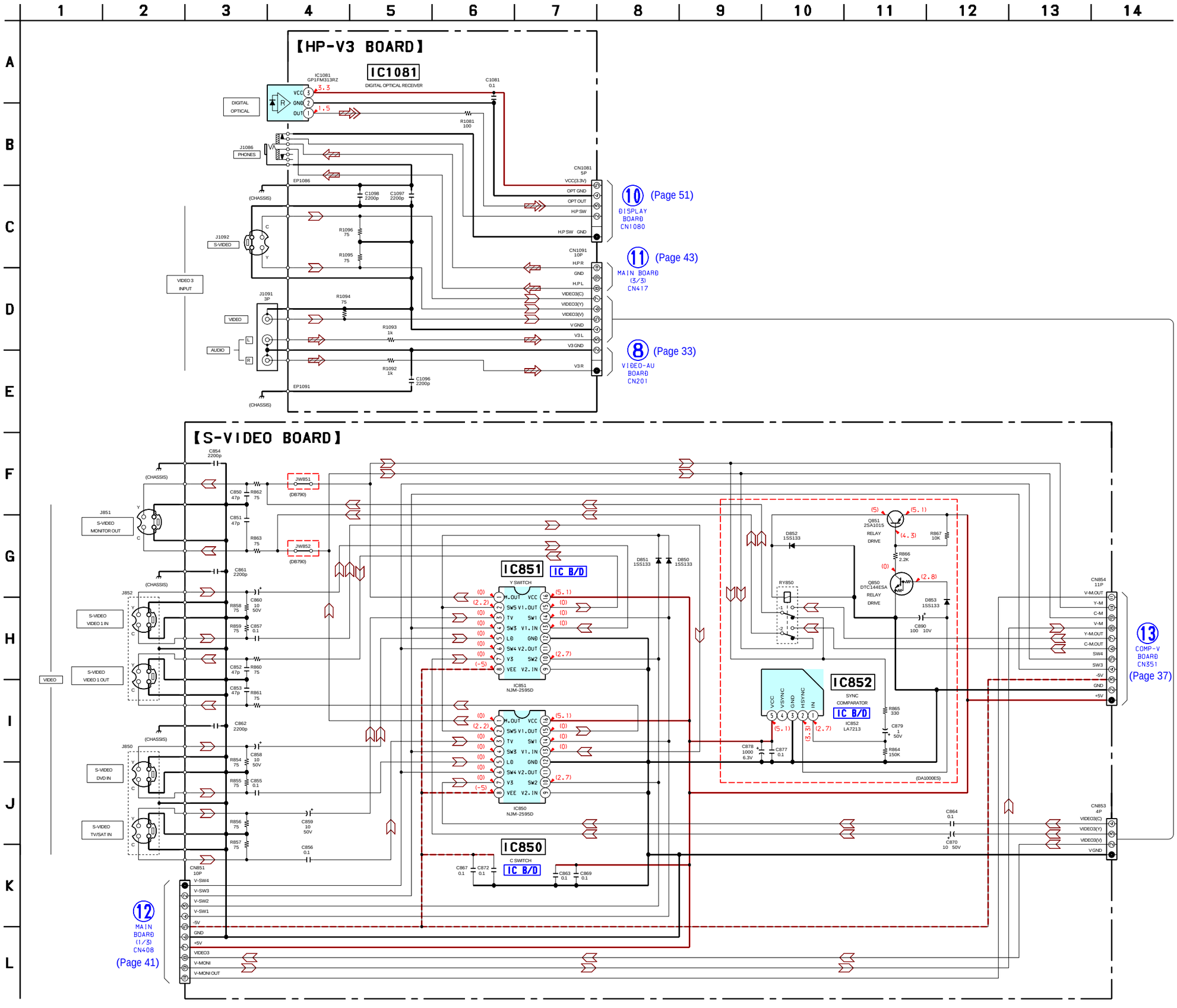
6-16. PRINTED WIRING BOARDS – HP-V3/S-VIDEO Boards – • See page 25 for Circuit Boards Location. :Uses unleaded solder.



- **Semiconductor Location**

Ref. No.	Location
D850	E-7
D851	E-7
D852	B-8
D853	C-6
IC850	C-7
IC851	D-7
IC852	E-6
IC1081	A-5
Q850	C-6
Q851	B-6

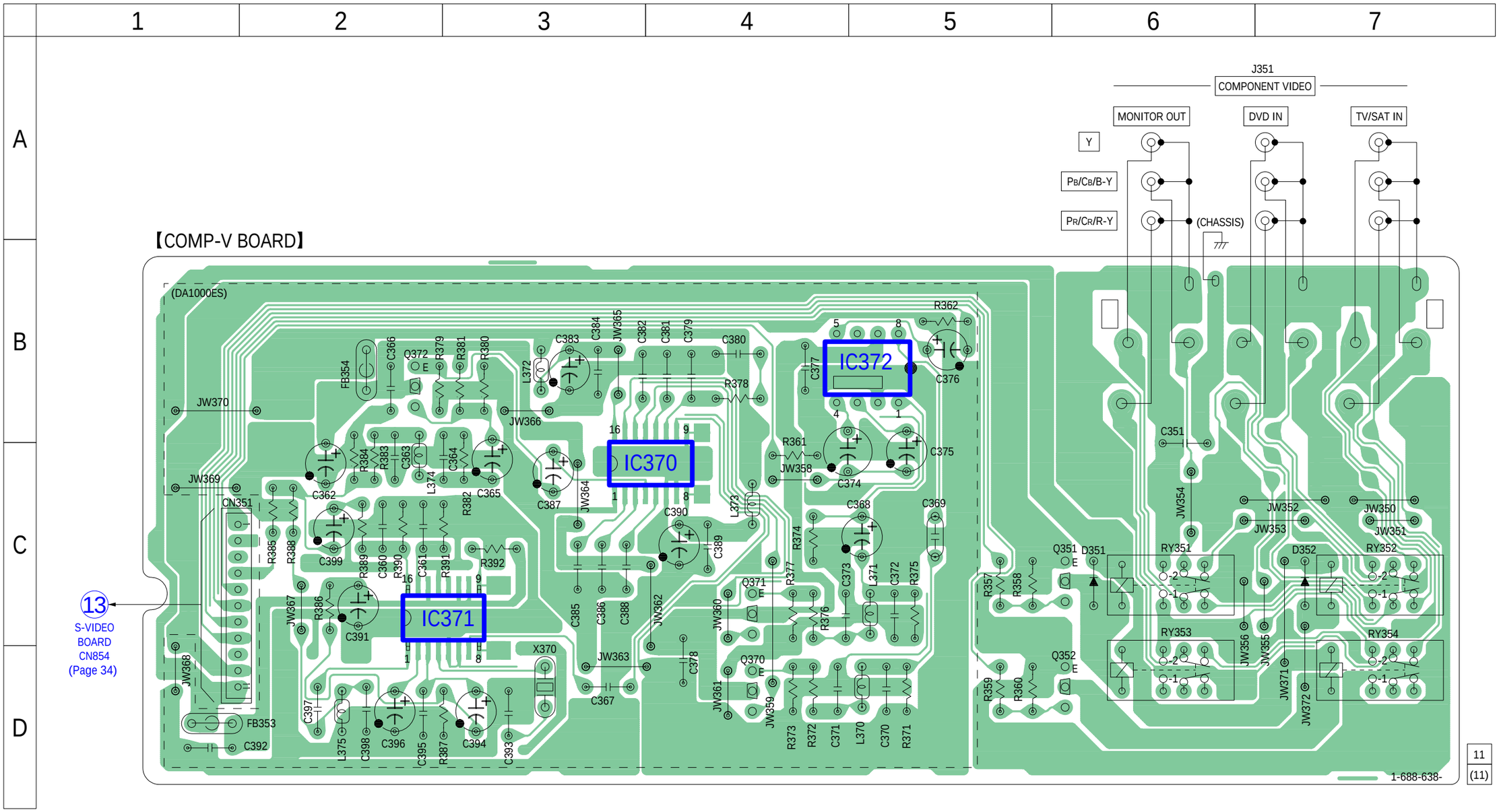
6-17. SCHEMATIC DIAGRAM – HP-V3/S-VIDEO Boards – • See page 57 for IC Block Diagrams.



6-18. PRINTED WIRING BOARD – COMP-V Board –

• See page 25 for Circuit Boards Location.

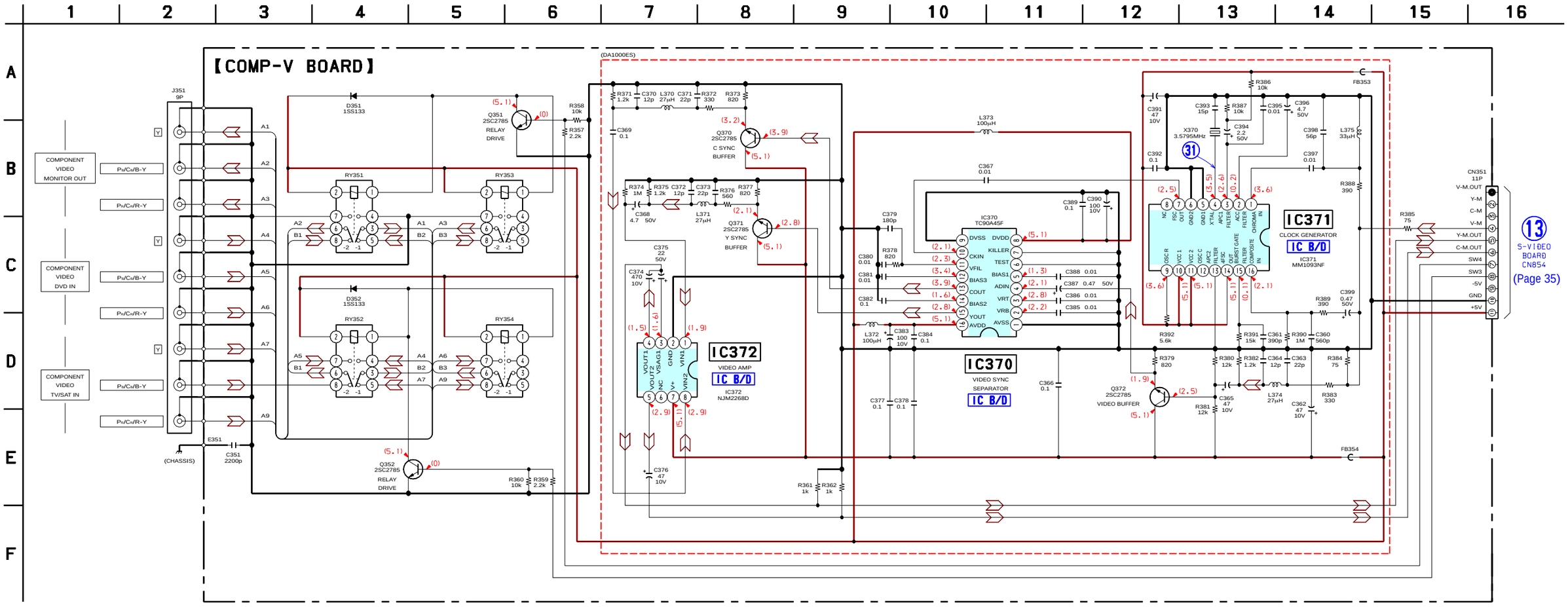
:Uses unleaded solder.



- **Semiconductor Location**

Ref. No.	Location
D351	C-6
D352	C-7
IC370	C-4
IC371	C-3
IC372	B-5
Q351	C-6
Q352	D-6
Q370	D-4
Q371	C-4
Q372	B-2

6-19. SCHEMATIC DIAGRAM – COMP-V Board – • See page 56 for Waveform. • See page 57 for IC Block Diagrams.



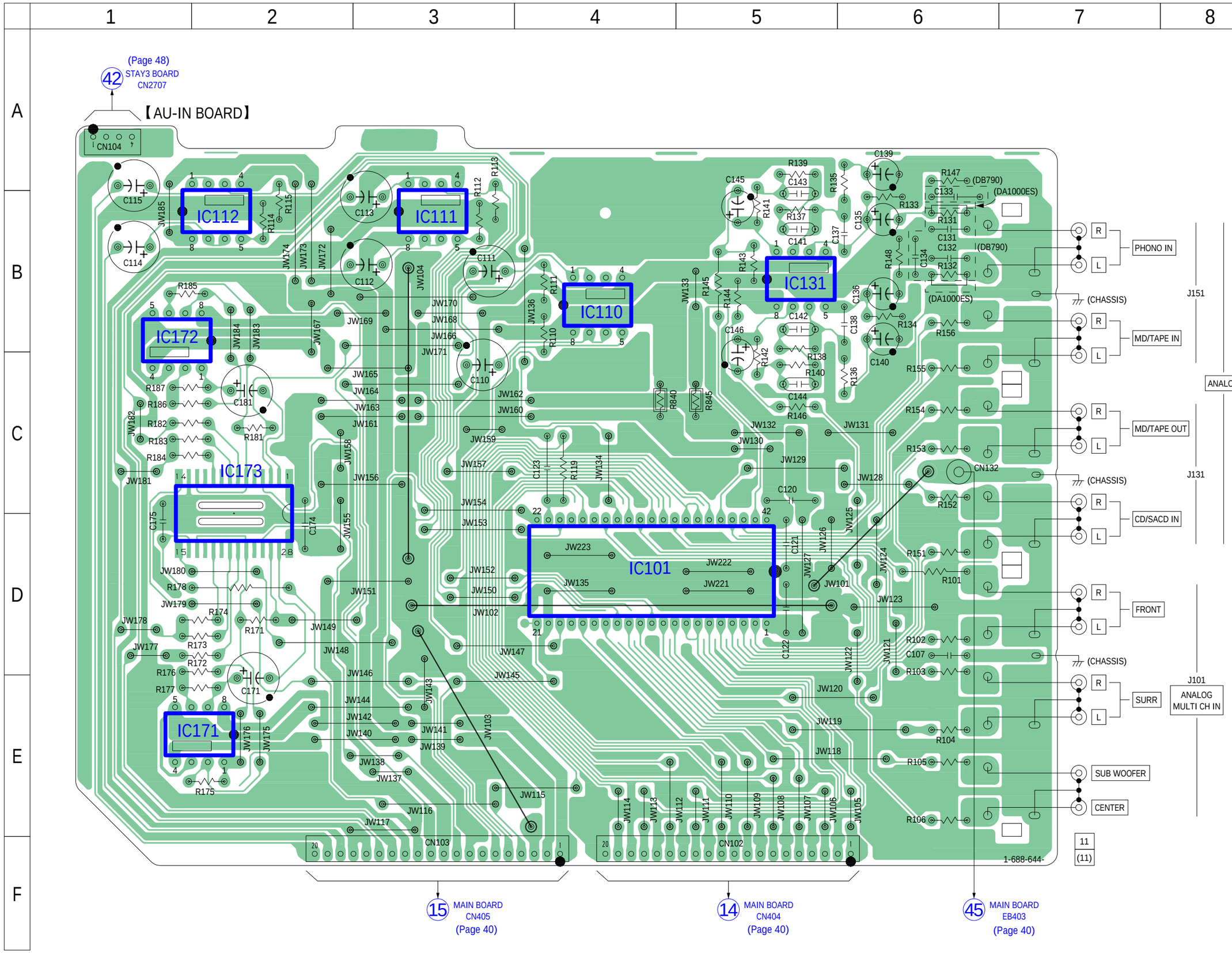
6-20. PRINTED WIRING BOARD – AU-IN Board –

• See page 25 for Circuit Boards Location.

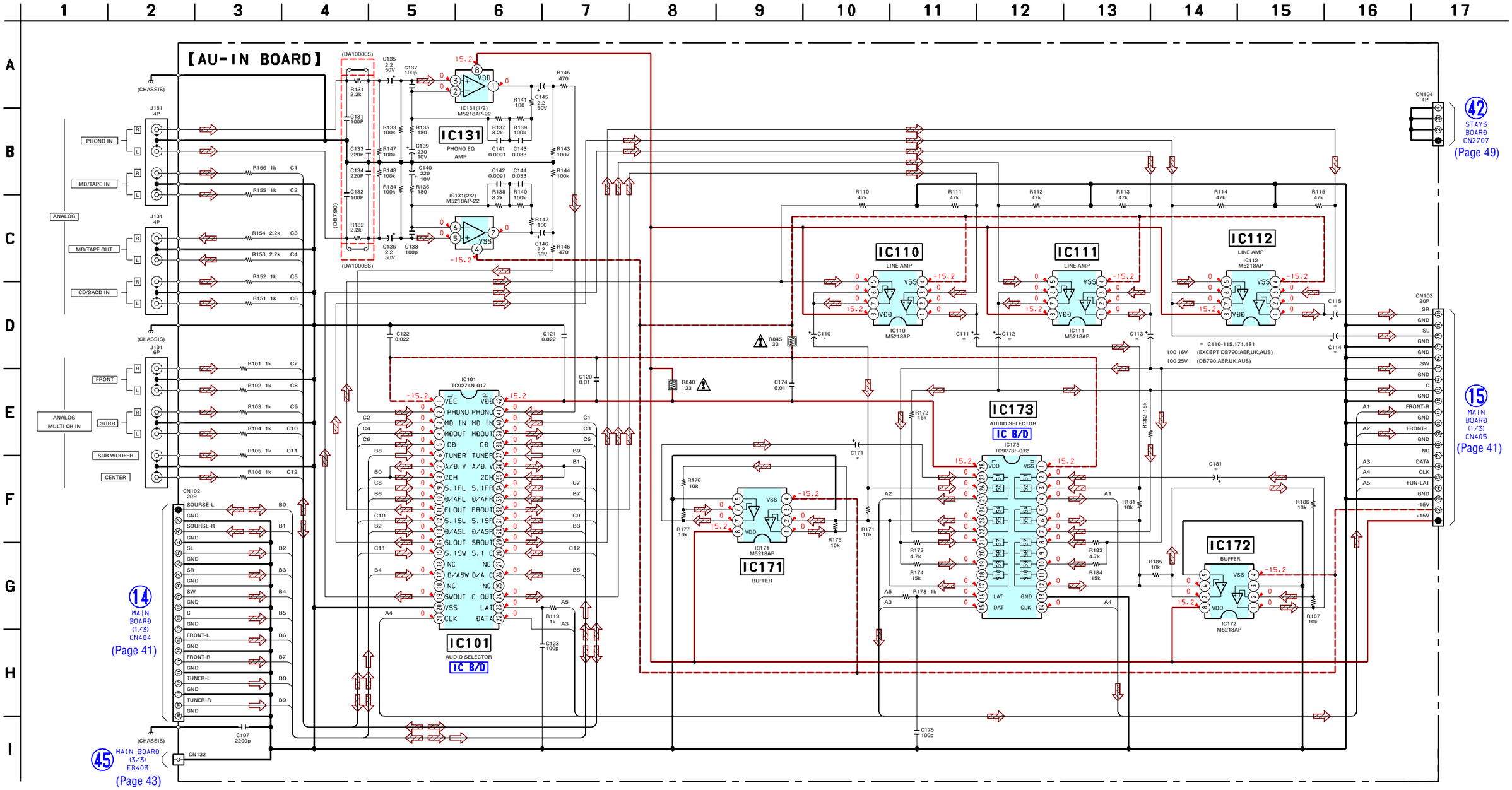
:Uses unleaded solder.

- **Semiconductor Location**

Ref. No.	Location
IC101	D-4
IC110	B-4
IC111	B-3
IC112	B-2
IC131	B-5
IC171	E-2
IC172	B-1
IC173	C-2



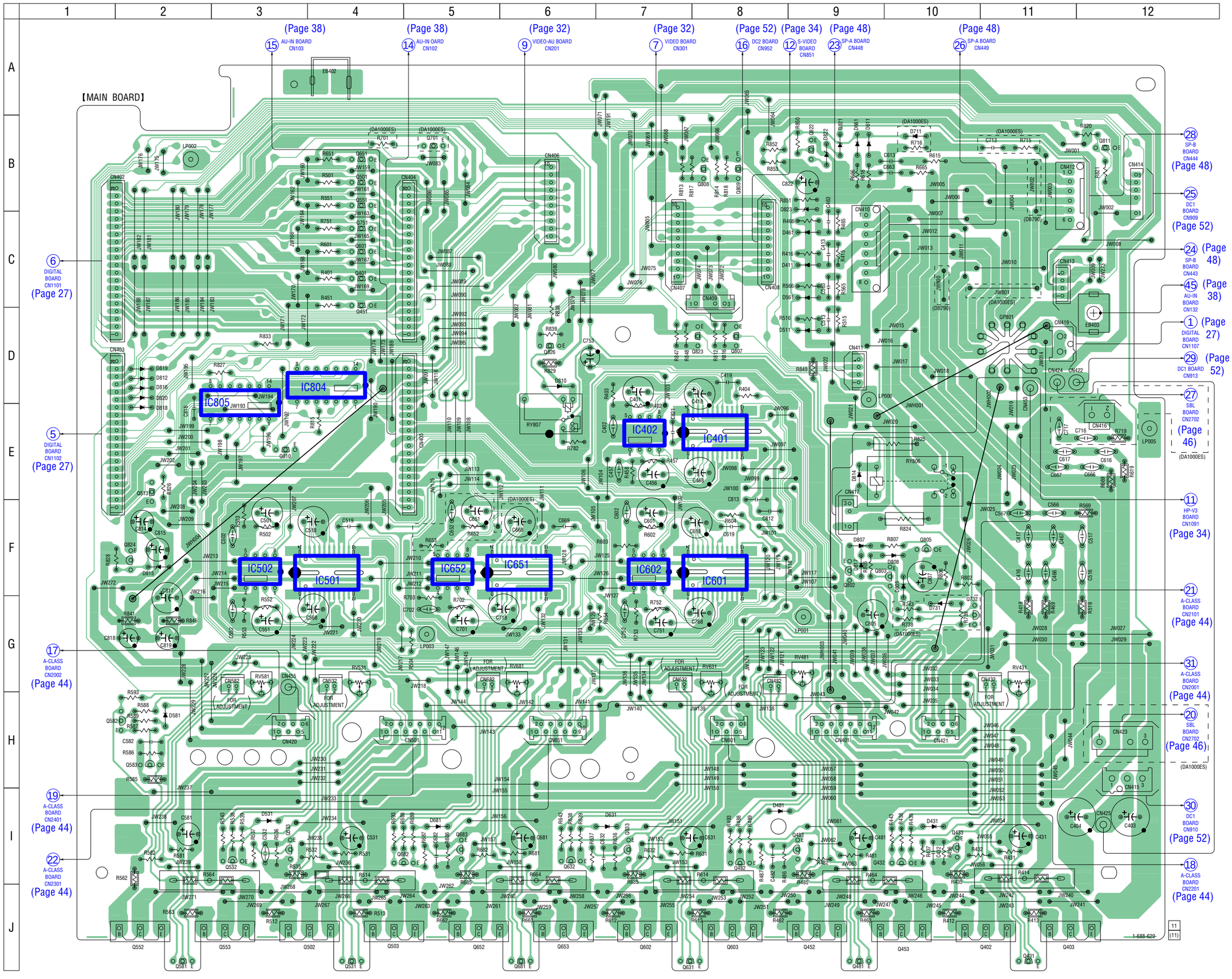
6-21. SCHEMATIC DIAGRAM – AU-IN Board – • See page 57 for IC Block Diagrams.



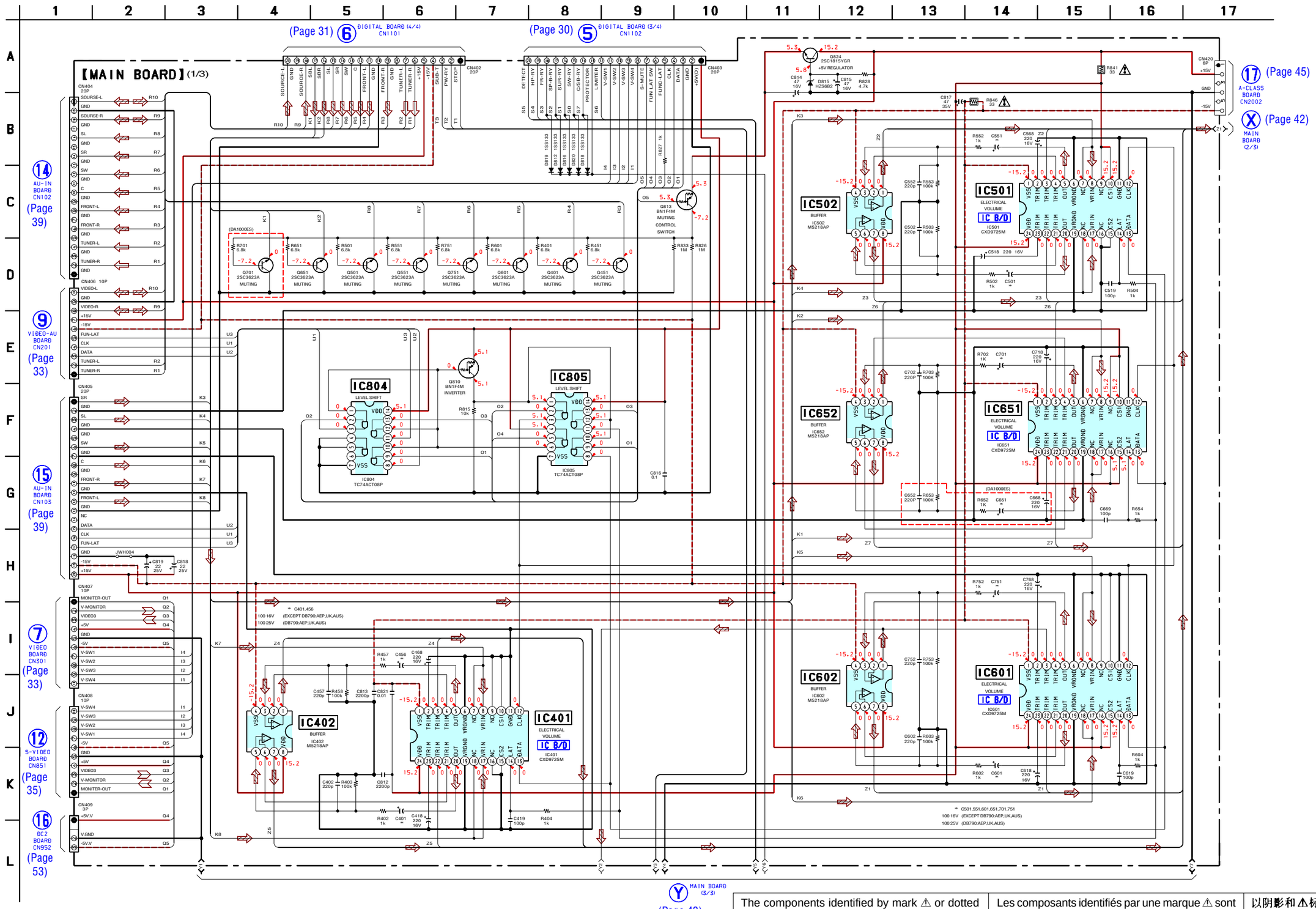
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和⚠标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

6-22. PRINTED WIRING BOARD – MAIN Board –

• See page 25 for Circuit Boards Location. :Uses unleaded solder.


【MAIN BOARD】
IC804
IC805
IC402
IC401
IC502
IC501
IC652
IC651
IC602
IC601
(Page 38) 15 AU-IN BOARD CN103
(Page 38) 14 AU-IN OARD CN102
(Page 32) 9 VIDEO-AU BOARD CN201
(Page 32) 7 VIDEO BOARD CN301
(Page 52) 16 DC2 BOARD CN952
(Page 34) 12 S-VIDEO BOARD CN851
(Page 48) 23 SP-A BOARD CN448
(Page 48) 26 SP-A BOARD CN449
6 DIGITAL BOARD CN1101 (Page 27)
5 DIGITAL BOARD CN1102 (Page 27)
17 A-CLASS BOARD CN2002 (Page 44)
19 A-CLASS BOARD CN2401 (Page 44)
22 A-CLASS BOARD CN2301 (Page 44)
28 SP-B BOARD CN444 (Page 48)
25 DC1 BOARD CN909 (Page 52)
24 SP-B BOARD CN443 (Page 48)
45 AU-IN BOARD CN132 (Page 38)
1 DIGITAL BOARD CN1107 (Page 27)
29 DC1 BOARD CN913 (Page 52)
27 SBL BOARD CN2702 (Page 46)
11 HP-V3 BOARD CN1091 (Page 34)
21 A-CLASS BOARD CN2101 (Page 44)
31 A-CLASS BOARD CN2001 (Page 44)
20 SBL BOARD CN2702 (Page 46)
30 DC1 BOARD CN910 (Page 52)
18 A-CLASS BOARD CN2201 (Page 44)
1-688-629-11 (11)

6-23. SCHEMATIC DIAGRAM – MAIN Board (1/3) – • See page 57 for IC Block Diagram.

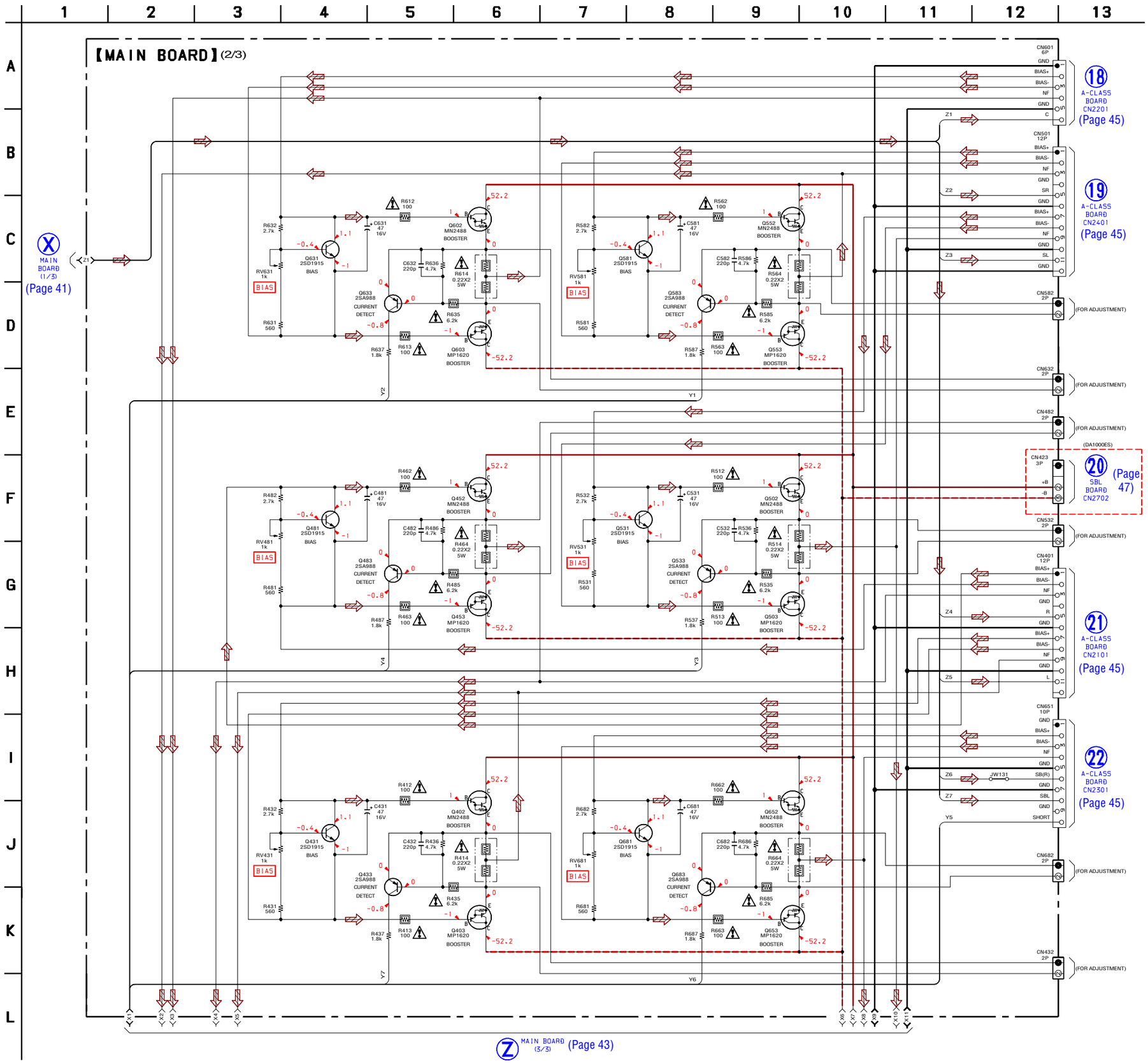

【MAIN BOARD】(1/3)
(Page 31) ⑥ DIGITAL BOARD (4/4) CN1101
(Page 30) ⑤ DIGITAL BOARD (3/4) CN1102
⑰ (Page 45) A-CLASS BOARD CN2002
Ⓧ (Page 42) MAIN BOARD (2/3)
⑭ AU-IN BOARD CN102 (Page 39)
⑨ VIDEO-AU BOARD CN201 (Page 33)
⑮ AU-IN BOARD CN103 (Page 39)
⑦ VIDEO BOARD CN301 (Page 33)
⑫ S-VIDEO BOARD CN851 (Page 35)
⑯ DC2 BOARD CN952 (Page 53)
IC502 BUFFER IC502 MS218AP
IC501 ELECTRICAL VOLUME IC 8/0 IC501 CXD9725M
IC652 BUFFER IC652 MS218AP
IC651 ELECTRICAL VOLUME IC 8/0 IC651 CXD9725M
IC602 BUFFER IC602 MS218AP
IC601 ELECTRICAL VOLUME IC 8/0 IC601 CXD9725M
IC402 BUFFER IC402 MS218AP
IC401 ELECTRICAL VOLUME IC 8/0 IC401 CXD9725M
IC804 TC74ACT08P
IC805 LEVEL SHIFT TC74ACT08P
Q824 2SC1815YGR +5V REGULATOR
Q813 BN1F4M MUTING CONTROL SWITCH
Q810 BN1F4M INVERTER
Q701 2SC3623A MUTING
Q651 2SC3623A MUTING
Q501 2SC3623A MUTING
Q551 2SC3623A MUTING
Q751 2SC3623A MUTING
Q601 2SC3623A MUTING
Q401 2SC3623A MUTING
Q451 2SC3623A MUTING
(DA1000ES)
Ⓨ MAIN BOARD (3/3) (Page 43)

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和⚠标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

- **Semiconductor Location**

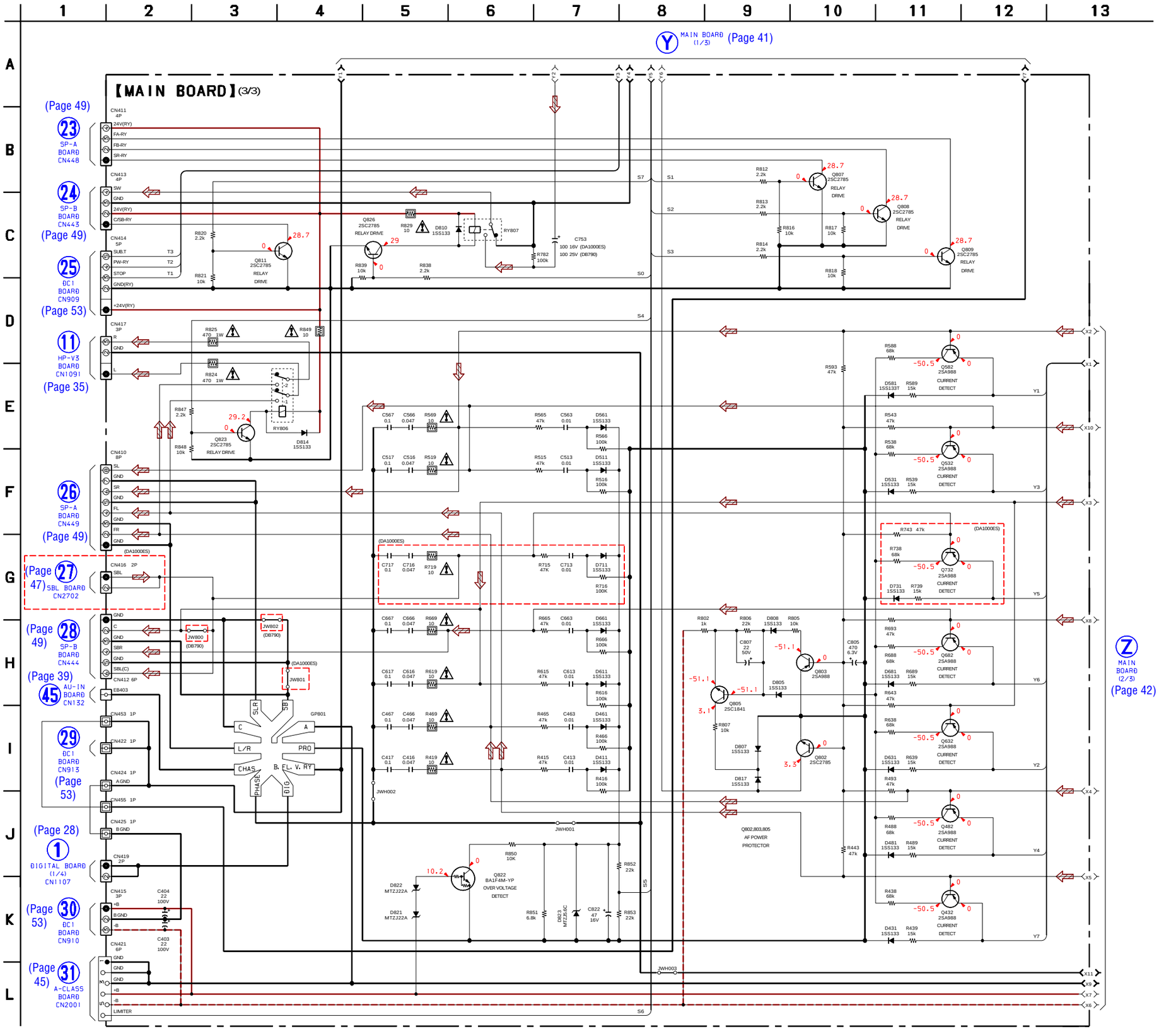
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D411	C-9	D611	B-9	D808	F-10	D819	D-2	IC501	F-4			Q452	J-9	Q531	J-4	Q583	H-2	Q652	J-5	Q802	F-9	Q813	E-2
D431	I-10	D631	I-7	D810	D-6	D820	D-2	IC502	F-3	Q401	C-4	Q453	J-10	Q532	I-3	Q601	C-4	Q653	J-6	Q803	F-10	Q822	B-9
D461	C-9	D661	B-9	D812	D-2	D821	B-9	IC601	F-8	Q402	J-11	Q481	J-9	Q533	I-3	Q602	J-7	Q681	J-6	Q805	F-10	Q823	D-8
D481	I-8	D681	I-5	D814	E-9	D822	B-9	IC602	E-7	Q403	J-11	Q482	I-8	Q551	B-4	Q603	J-8	Q682	I-5	Q807	D-8	Q824	F-2
D511	C-9	D711	B-10	D815	F-2	D823	B-9	IC651	F-6	Q431	J-11	Q483	I-9	Q552	J-2	Q631	J-7	Q683	I-5	Q808	B-8	Q826	D-6
D531	I-3	D731	G-10	D816	D-2			IC652	F-5	Q432	I-10	Q501	B-4	Q553	J-3	Q632	I-6	Q701	B-5	Q809	B-8		
D561	C-9	D805	F-10	D817	F-9	IC401	E-8	IC804	D-4	Q433	I-10	Q502	J-4	Q581	J-2	Q633	I-7	Q732	G-10	Q810	E-3		
D581	H-2	D807	F-9	D818	E-2	IC402	E-7	IC805	D-3	Q451	C-4	Q503	J-4	Q582	H-2	Q651	B-4	Q751	C-4	Q811	B-11		

6-24. SCHEMATIC DIAGRAM – MAIN Board (2/3) –



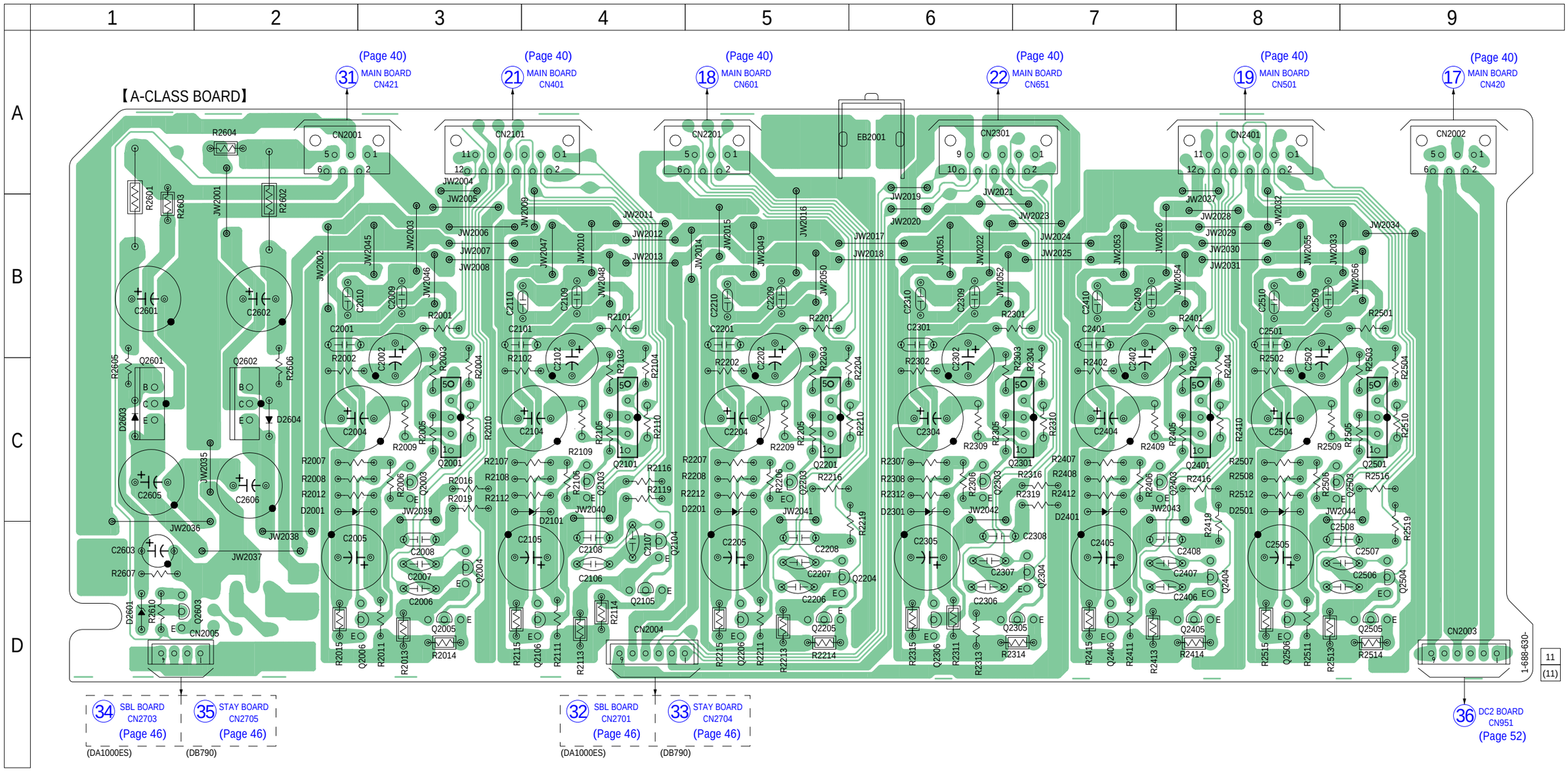
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和⚠标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

6-25. SCHEMATIC DIAGRAM – MAIN Board (3/3) –



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和⚠标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

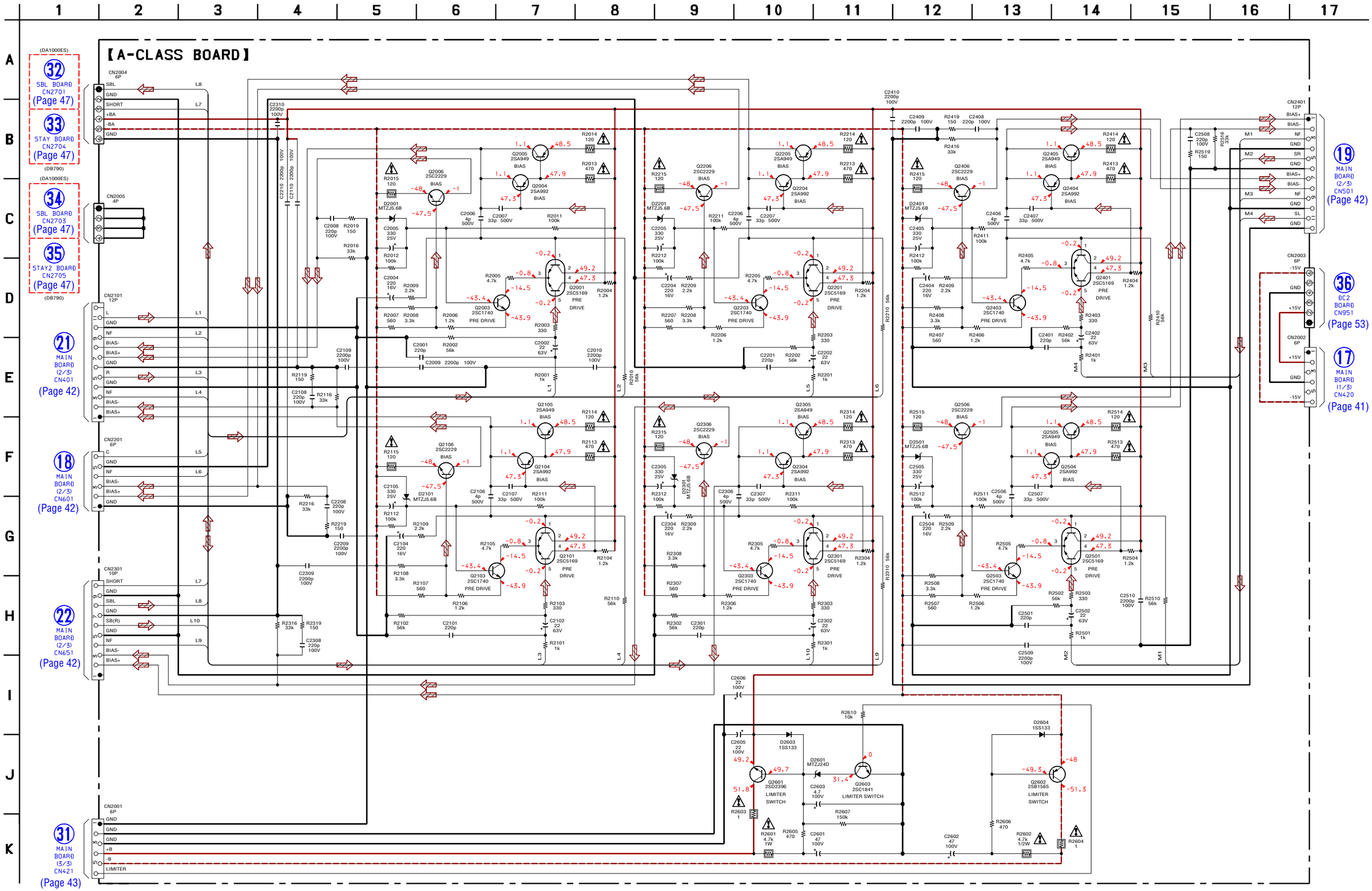
6-26. PRINTED WIRING BOARD – A-CLASS Board – • See page 25 for Circuit Boards Location. :Uses unleaded solder.



- **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D2001	C-2	Q2001	C-3	Q2203	C-5	Q2404	D-8
D2101	C-4	Q2003	C-3	Q2204	D-5	Q2405	D-8
D2201	C-5	Q2004	D-3	Q2205	D-5	Q2406	D-7
D2301	C-6	Q2005	D-3	Q2206	D-5	Q2501	C-9
D2401	C-7	Q2006	D-3	Q2301	C-7	Q2503	C-8
D2501	C-8	Q2101	C-4	Q2303	C-6	Q2504	D-9
D2601	D-1	Q2103	C-4	Q2304	D-7	Q2505	D-9
D2603	C-1	Q2104	D-4	Q2305	D-7	Q2506	D-8
D2604	C-2	Q2105	D-4	Q2306	D-6	Q2601	C-1
		Q2106	D-4	Q2401	C-8	Q2602	C-2
		Q2201	C-5	Q2403	C-7	Q2603	D-1

6-27. SCHEMATIC DIAGRAM – A-CLASS Board –



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和⚠标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

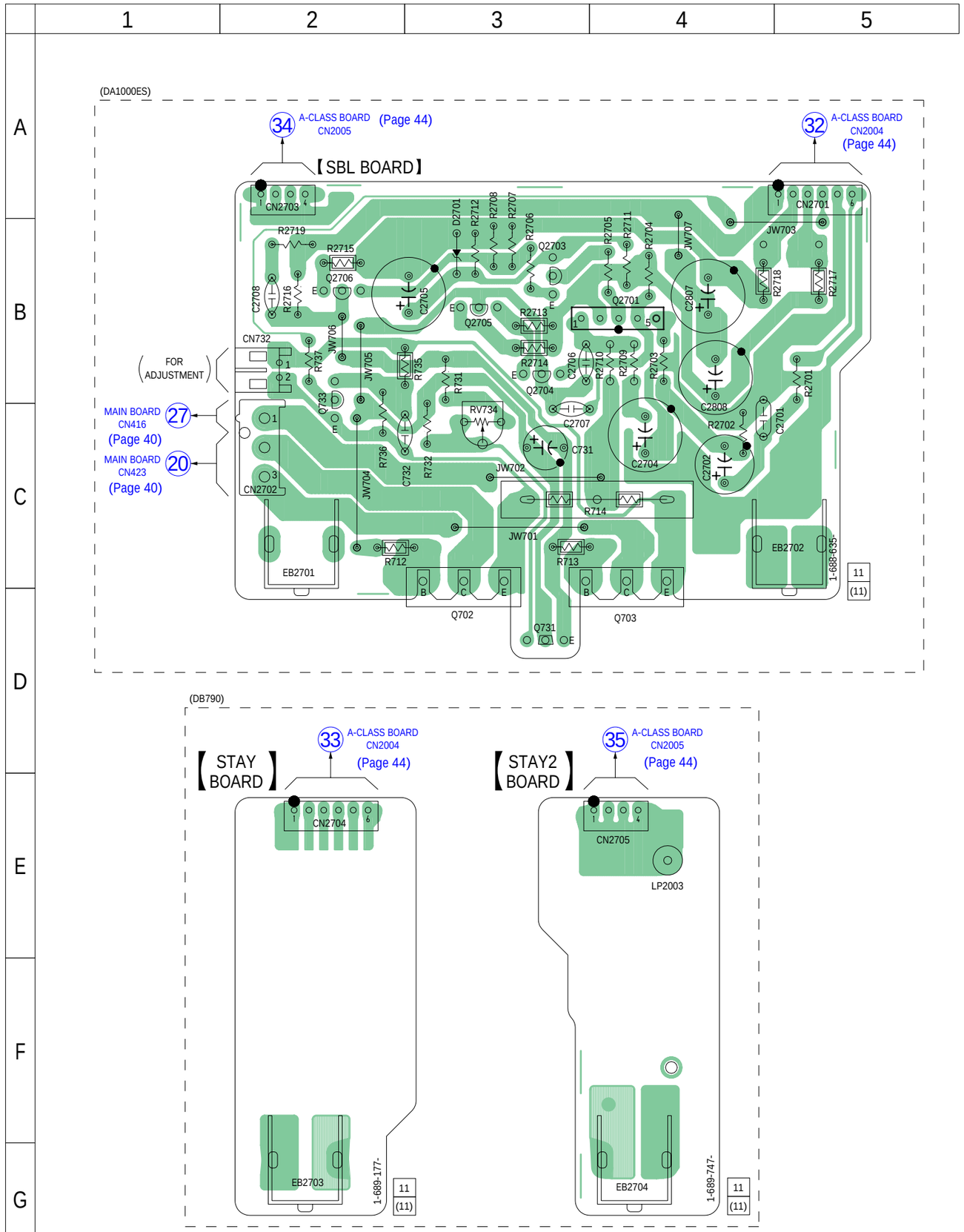
6-28. PRINTED WIRING BOARDS – SBL/STAY/STAY2 Boards –

• See page 25 for Circuit Boards Location.

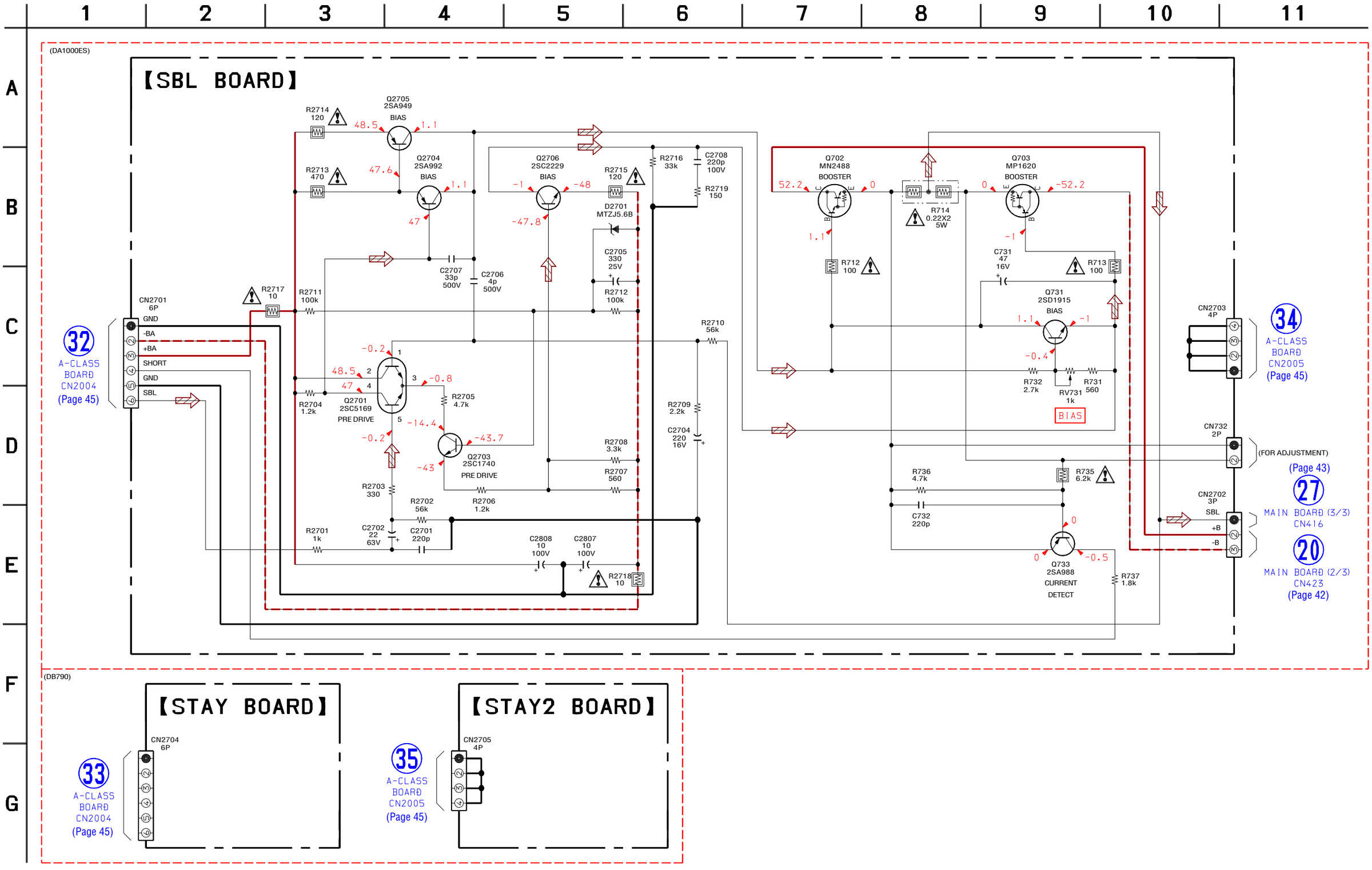
:Uses unleaded solder.

- **Semiconductor Location**

Ref. No.	Location
D2701	B-3
Q702	D-3
Q703	D-4
Q731	D-3
Q733	B-2
Q2701	B-4
Q2703	B-3
Q2704	B-3
Q2705	B-3
Q2706	B-2



6-29. SCHEMATIC DIAGRAM – SBL/STAY/STAY2 Boards –

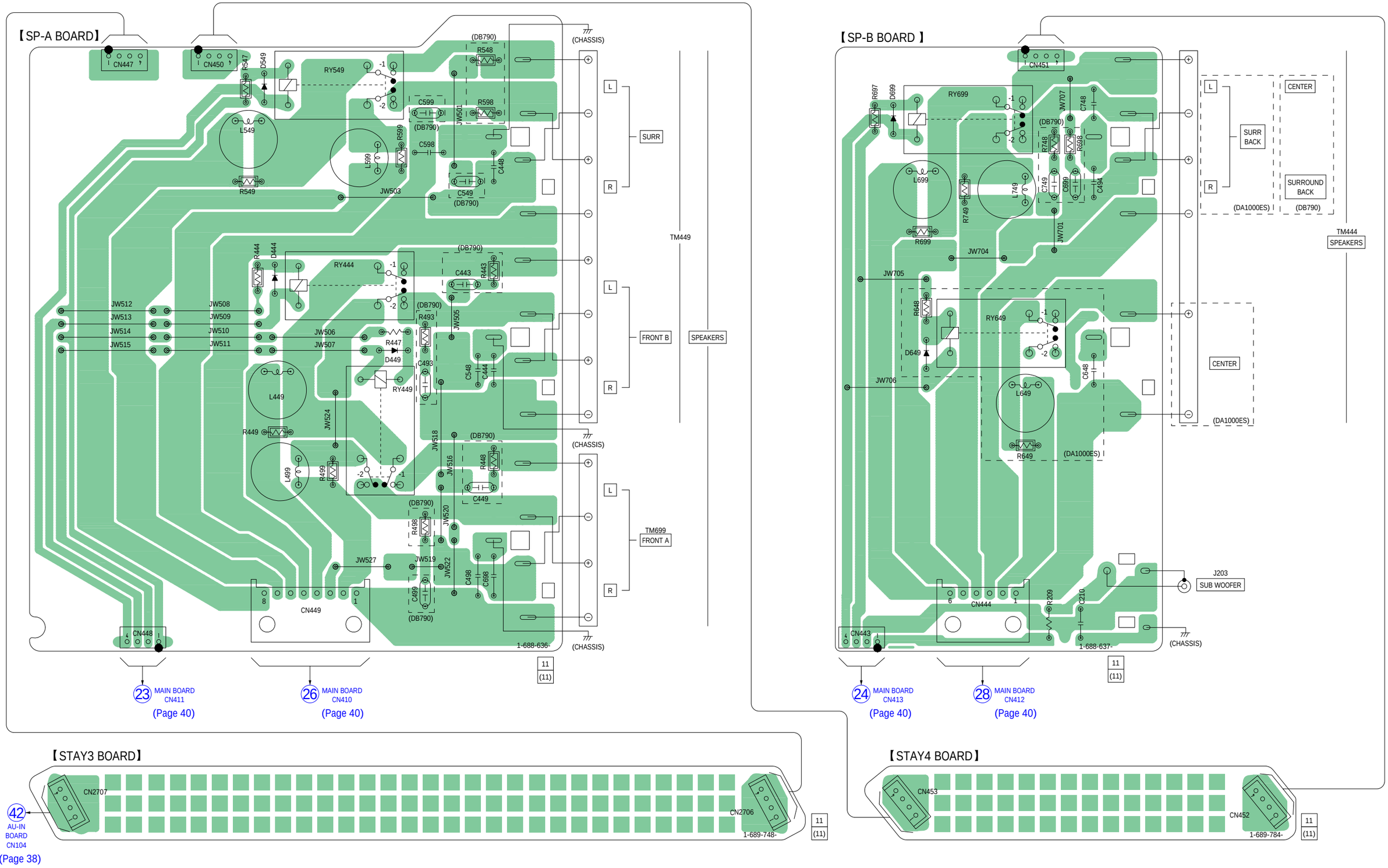


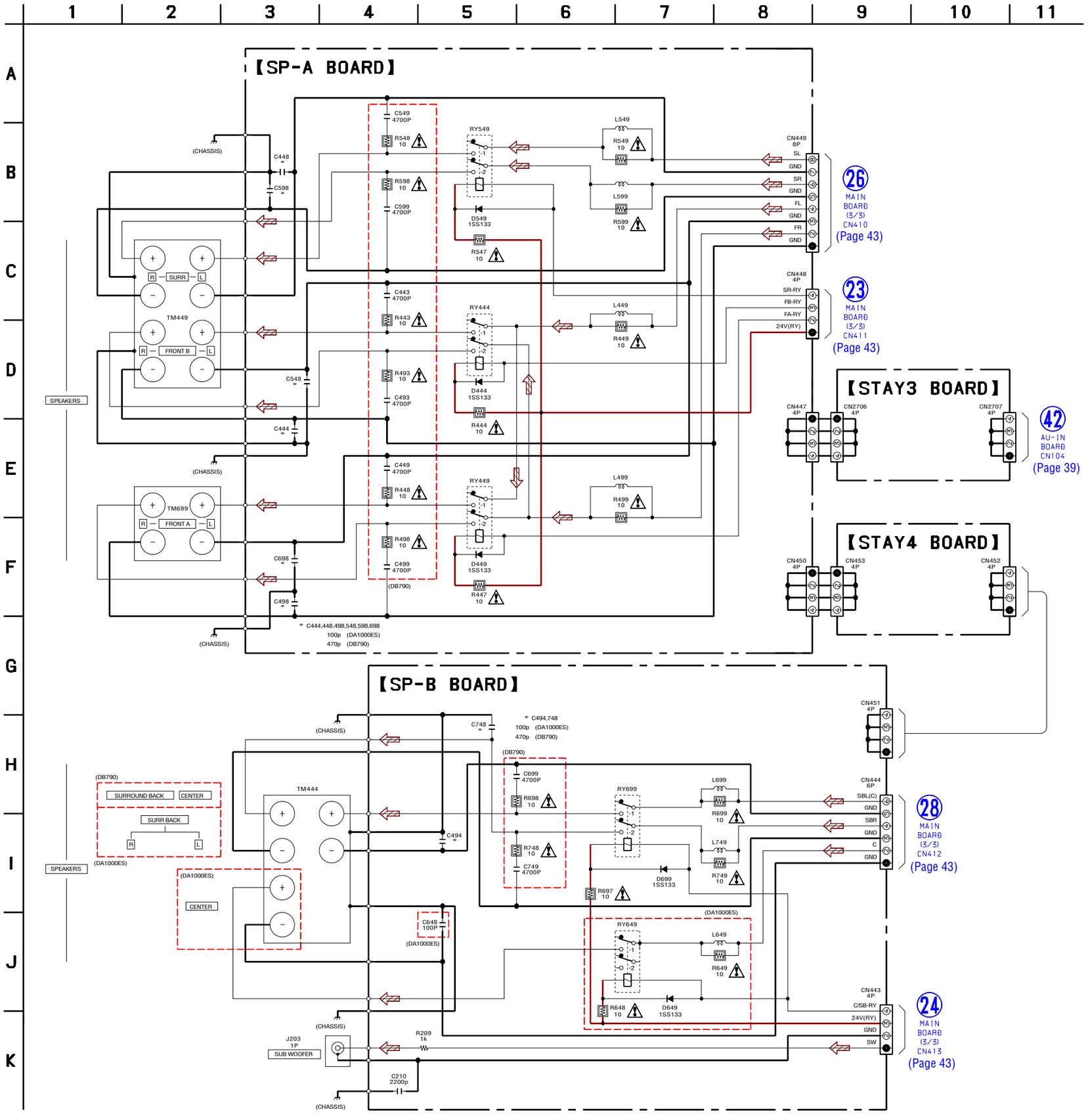
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和⚠标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

6-30. PRINTED WIRING BOARDS – SP-A/SP-B/STAY3/STAY4 Boards –

• See page 25 for Circuit Boards Location.

:Uses unleaded solder.



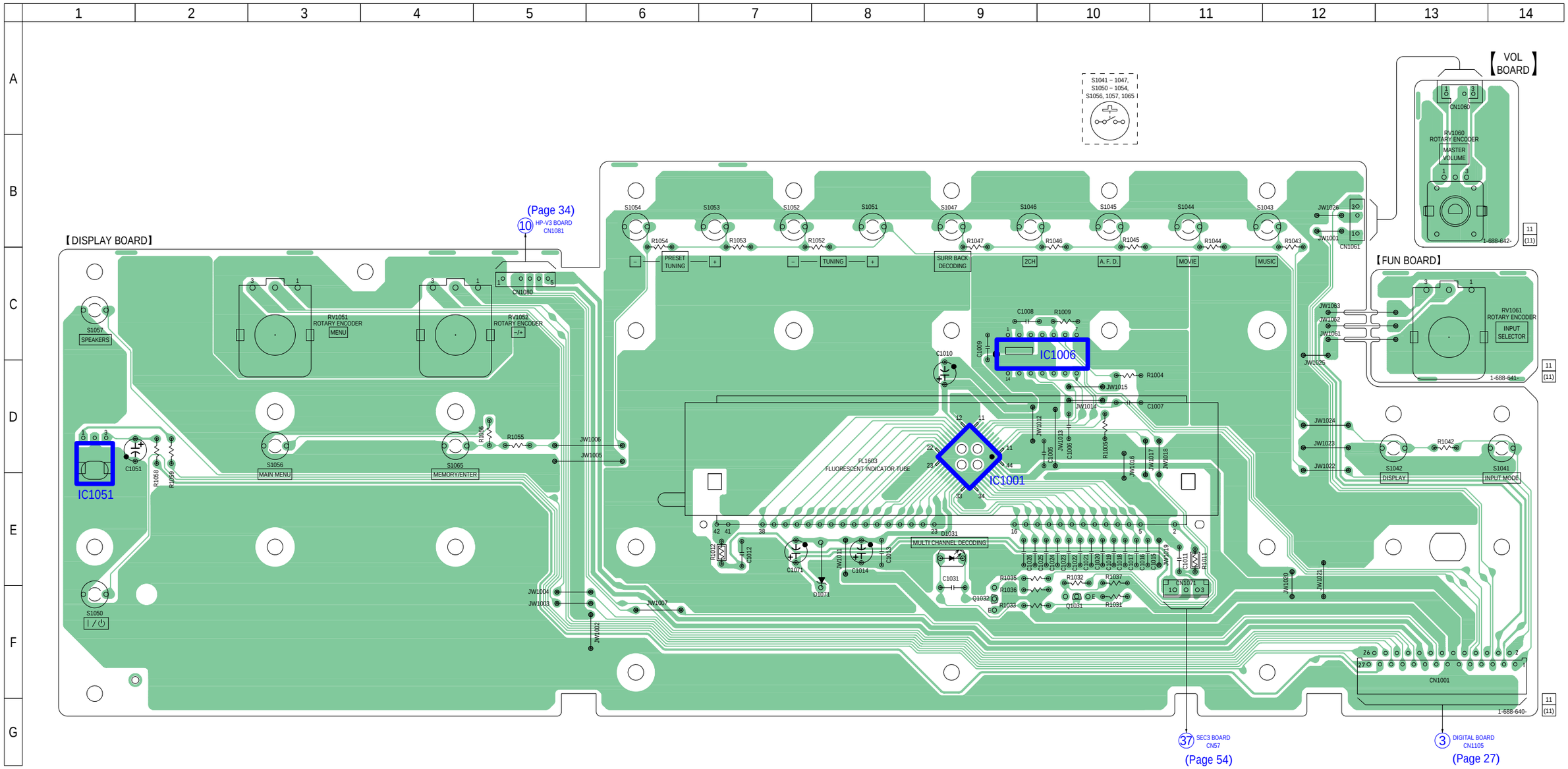


The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和⚠标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

6-32. PRINTED WIRING BOARDS – DISPLAY/FUN/VOL Boards –

• See page 25 for Circuit Boards Location..

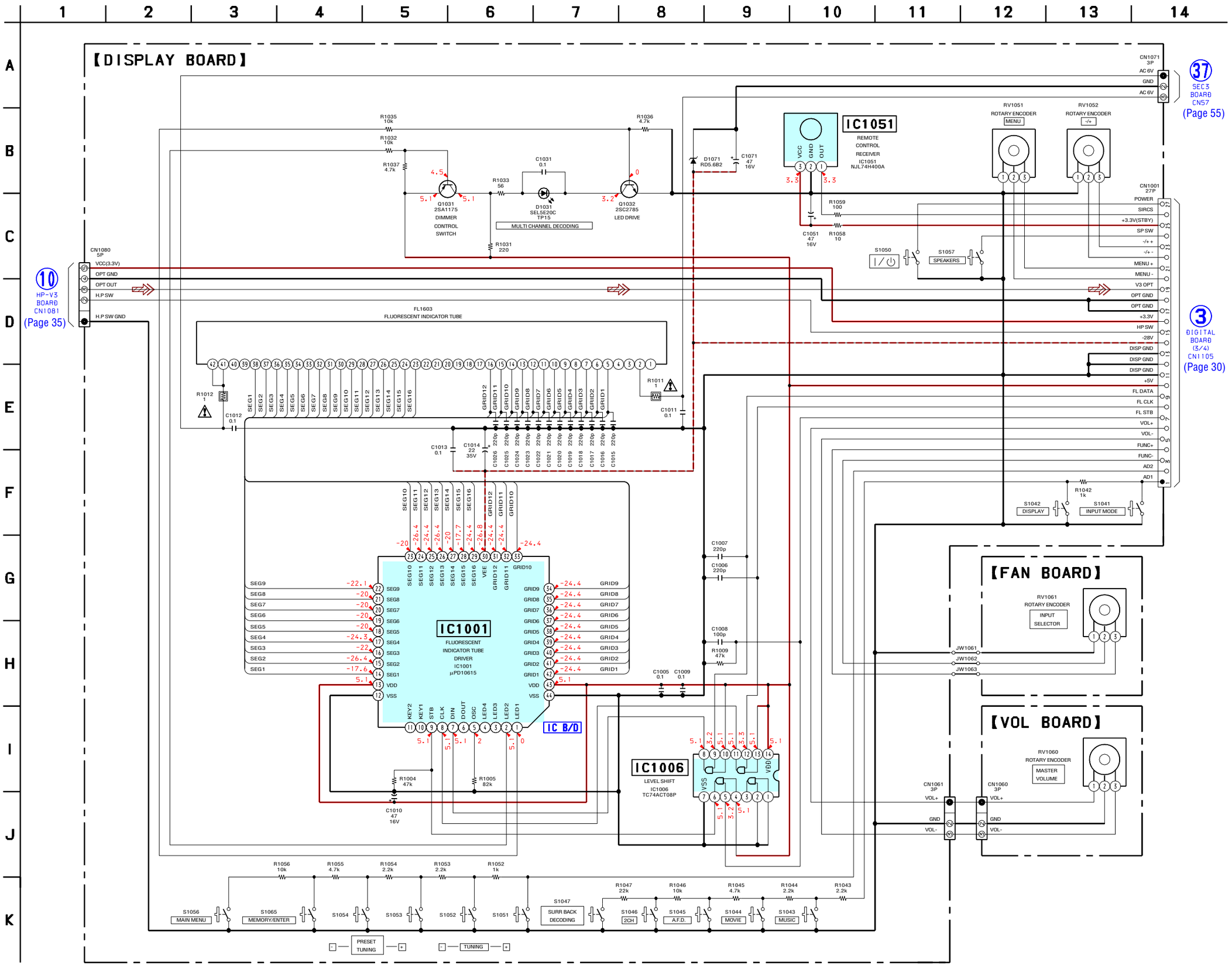
:Uses unleaded solder.



- **Semiconductor Location**

Ref. No.	Location
D1031	E-9
D1071	E-8
IC1001	D-9
IC1006	C-10
IC1051	D-1
Q1031	F-10
Q1032	F-9

6-33. SCHEMATIC DIAGRAM – DISPLAY/FUN/VOL Boards – • See page 57 for IC Block Diagram.



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和⚠标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

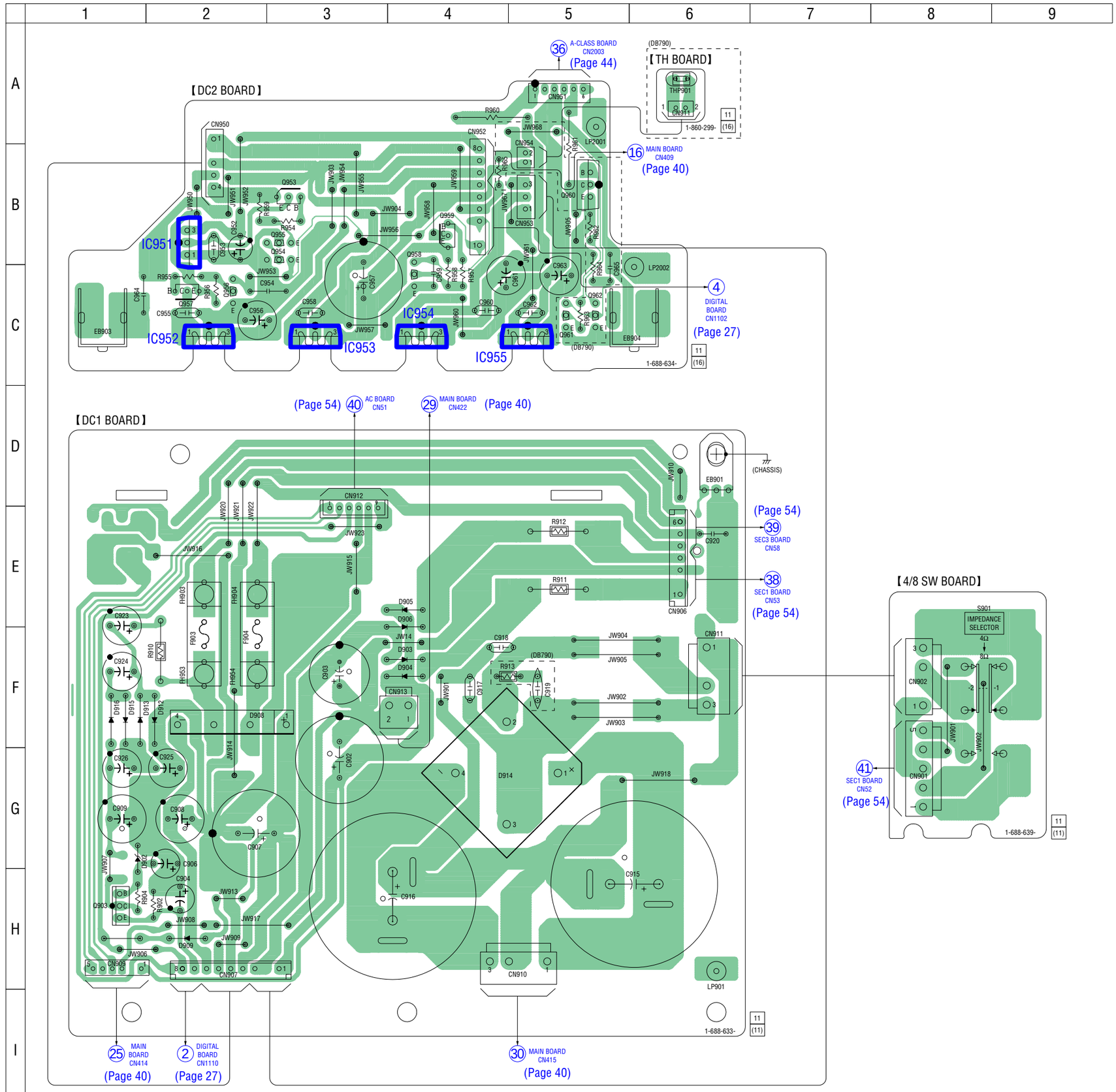
6-34. PRINTED WIRING BOARDS – DC1/DC2/TH/4/8 SW Boards –

• See page 25 for Circuit Boards Location..

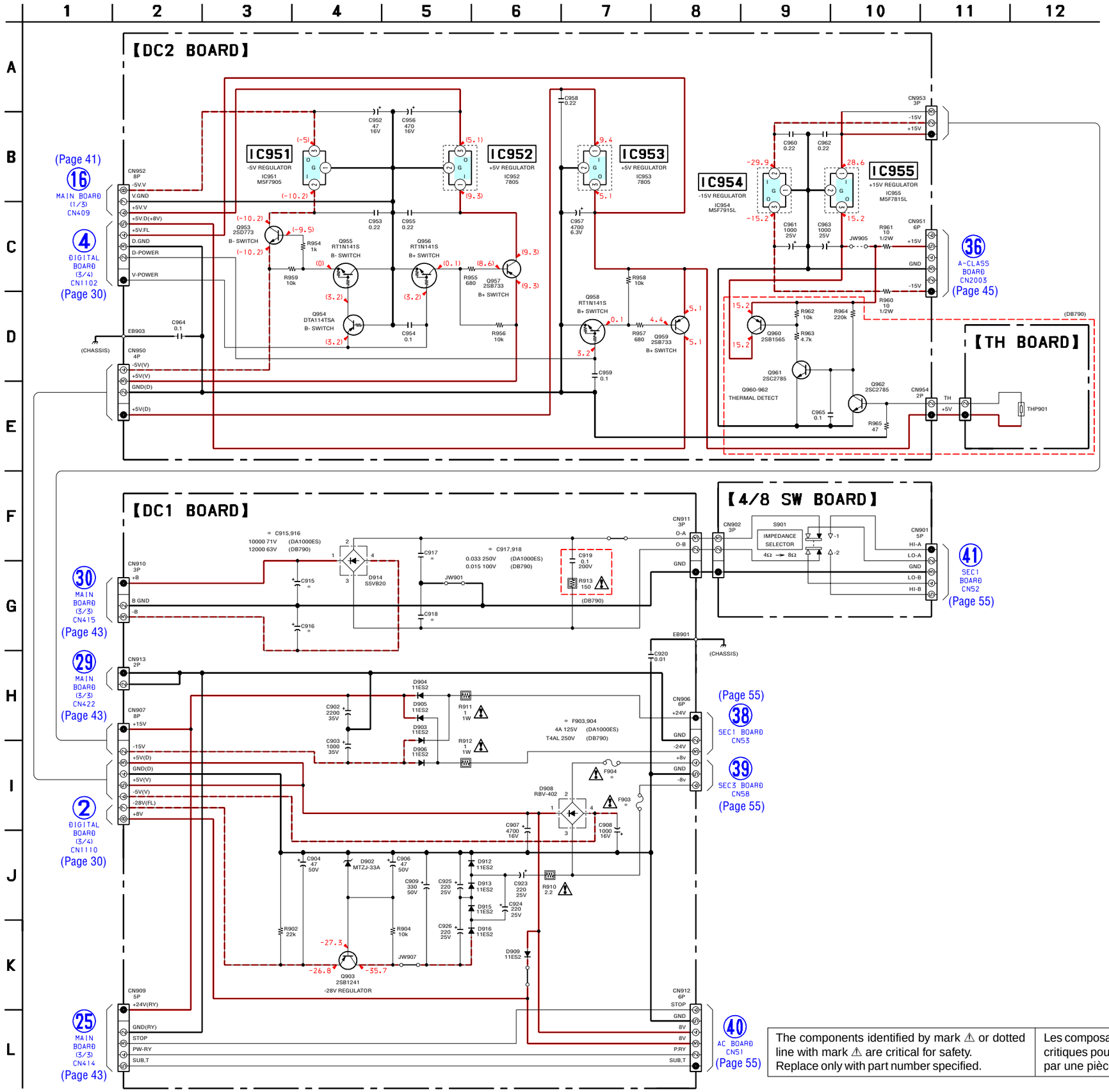
:Uses unleaded solder.

- **Semiconductor Location**

Ref. No.	Location
D902	G-1
D903	F-4
D904	F-4
D905	E-4
D906	E-4
D908	F-2
D909	H-2
D912	F-2
D913	F-1
D914	G-4
D915	F-1
D916	F-1
IC951	B-2
IC952	C-2
IC953	C-3
IC954	C-4
IC955	C-5
Q903	H-1
Q953	B-3
Q954	B-3
Q955	B-3
Q956	C-2
Q957	C-2
Q958	C-4
Q959	B-4
Q960	B-5
Q961	C-5
Q962	C-5

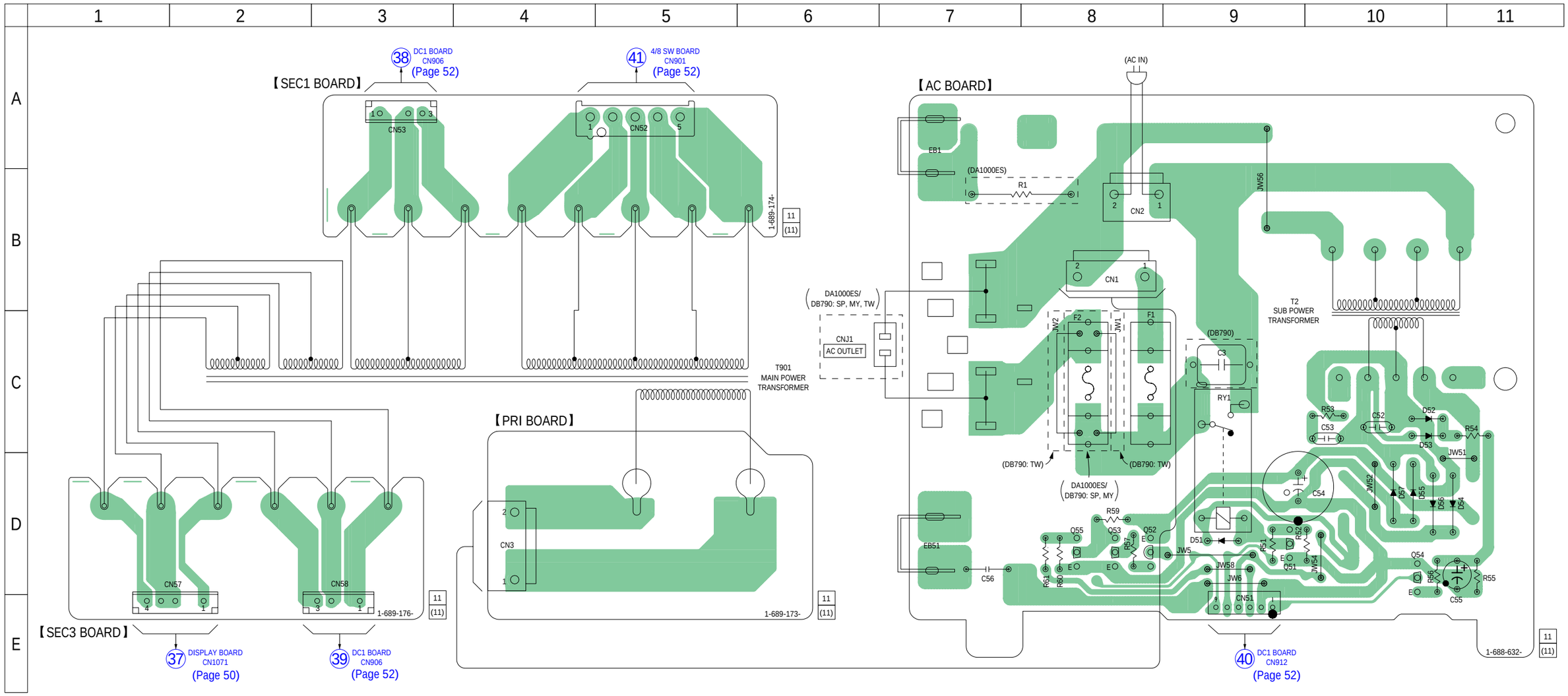


6-35. SCHEMATIC DIAGRAM – DC1/DC2/TH/4/8 SW Boards –



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和⚠标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

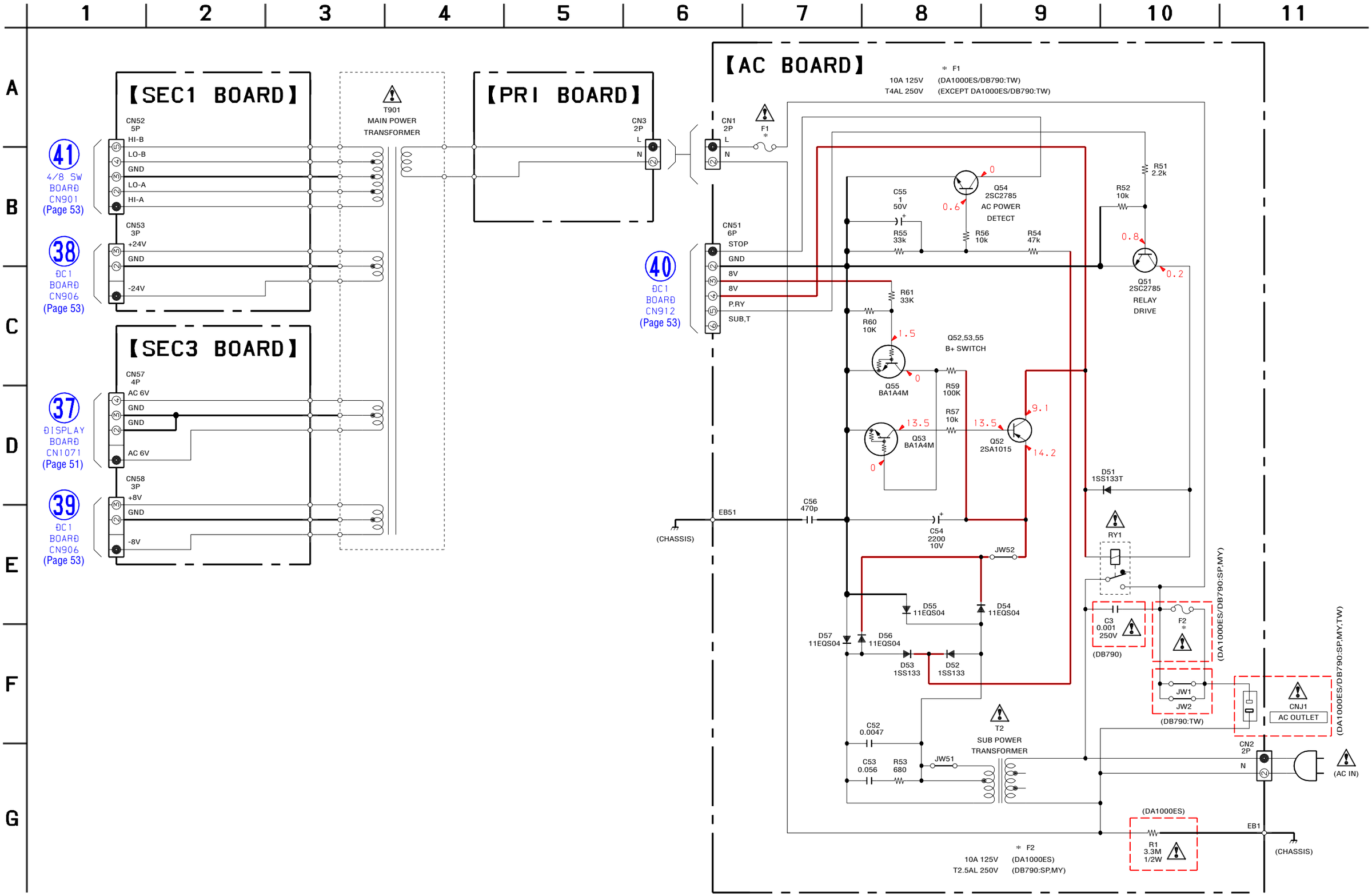
6-36. PRINTED WIRING BOARDS – AC/PRI/SEC1/SEC3 Boards – • See page 25 for Circuit Boards Location. :Uses unleaded solder.



- **Semiconductor Location**

Ref. No.	Location
D51	D-9
D52	C-10
D53	C-10
D54	D-11
D55	D-10
D56	D-10
D57	D-10
Q51	D-9
Q52	D-8
Q53	D-8
Q54	D-10
Q55	D-8

6-37. SCHEMATIC DIAGRAM – AC/PRI/SEC1/SEC3 Boards –

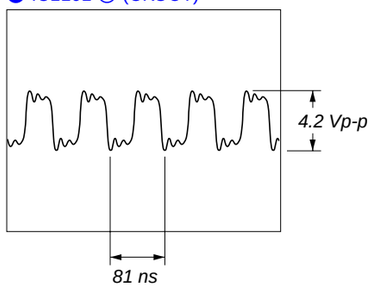


The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和⚠标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

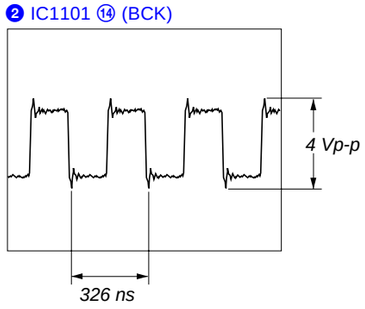
• **Waveforms**

– DIGITAL Board –

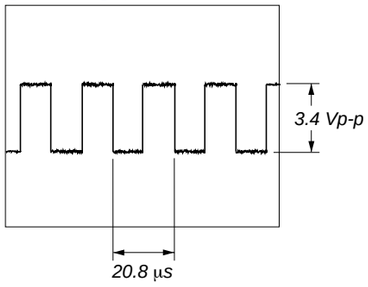
❶ IC1101 ⑬ (CKOUT)



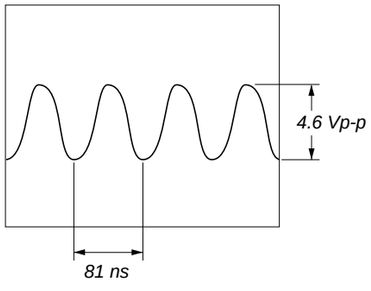
❷ IC1101 ⑭ (BCK)



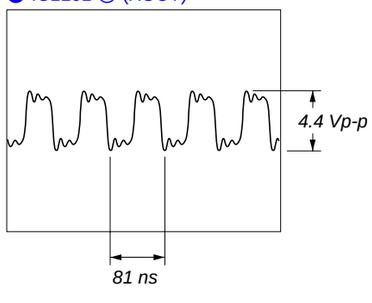
❸ IC1101 ⑮ (LRCK)



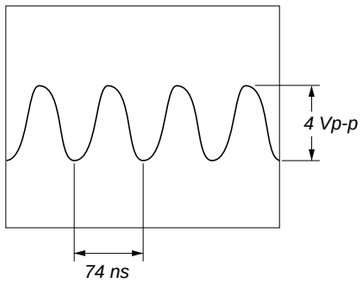
❹ IC1101 ⑳ (XMCK)



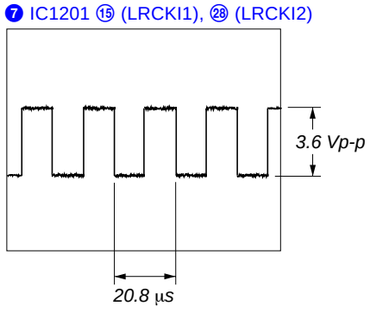
❺ IC1101 ㉑ (XOUT)



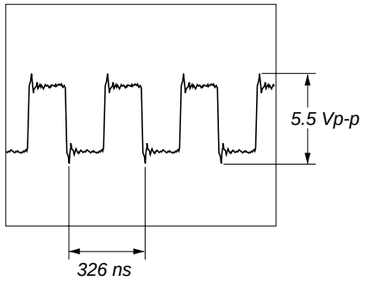
❻ IC1201 ⑫ (MCLK2)



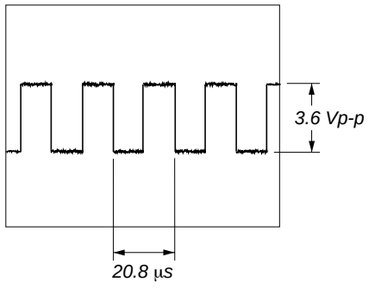
❼ IC1201 ⑮ (LRCKI1), ㉘ (LRCKI2)



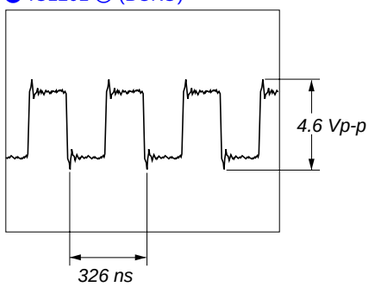
❽ IC1201 ⑰ (BCKI1), ㉙ (BCKI2)



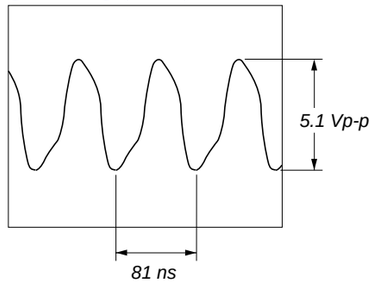
❾ IC1201 ⑲ (LRCKO), ㊼ (GP10)



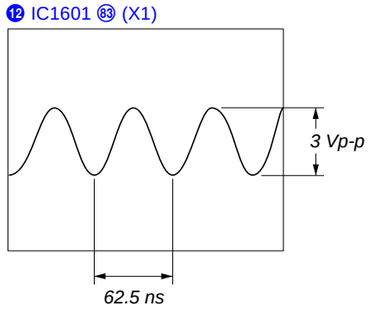
❿ IC1201 ⑳ (BCKO)



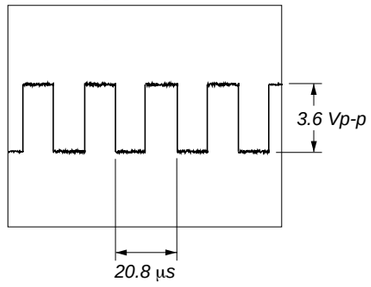
⓫ IC1201 ㉒ (KFSIO)



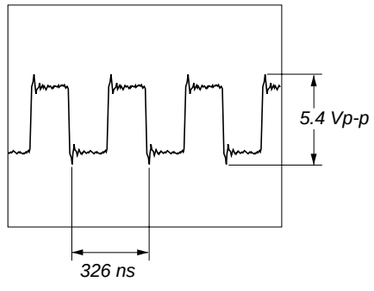
⓬ IC1601 ㉝ (X1)



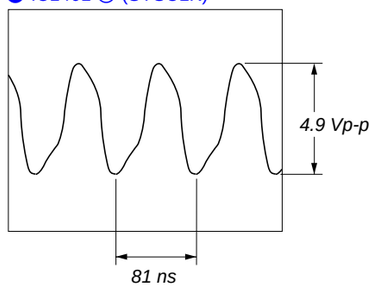
⓭ IC1401 ⑬ (LRCK)



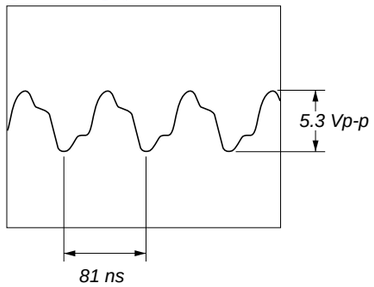
⓮ IC1401 ⑭ (BCK)



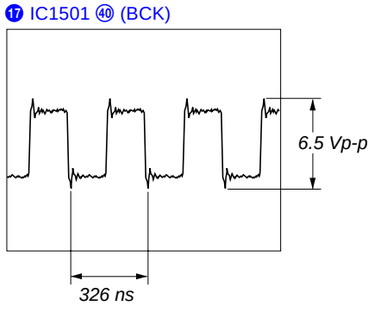
⓯ IC1401 ⑯ (SYSCLK)



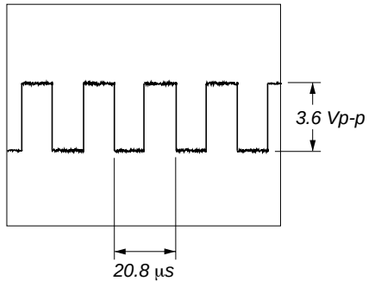
⓰ IC1501 ㊳ (SCKI)



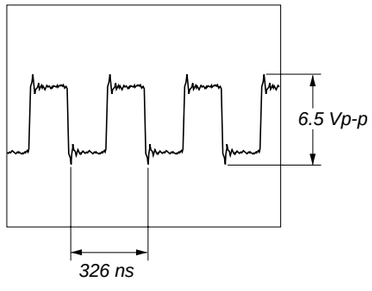
⓱ IC1501 ㊵ (BCK)



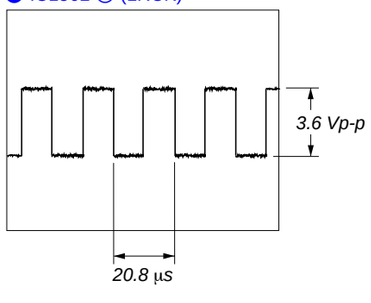
⓲ IC1501 ㊶ (LRCK)



⓳ IC1502 ① (BCK)

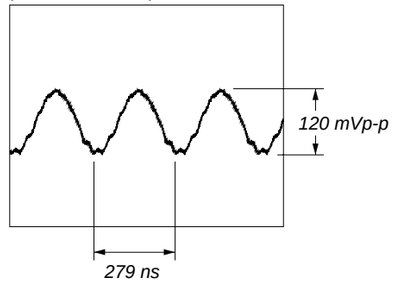


⓴ IC1502 ③ (LRCK)



– COMP-V Board –

㉛ IC371 ④ (XTAL) (VIDEO 1 mode) (STR-DA1000ES)



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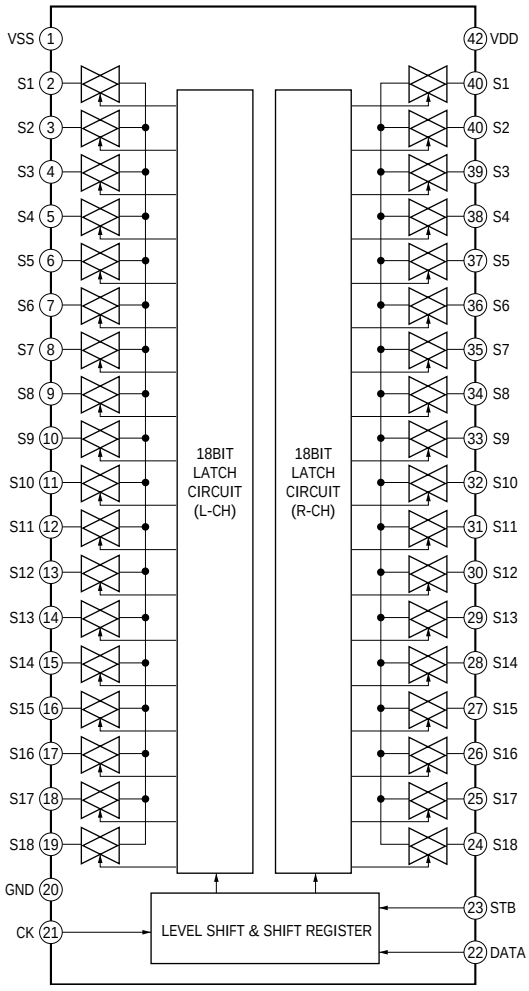
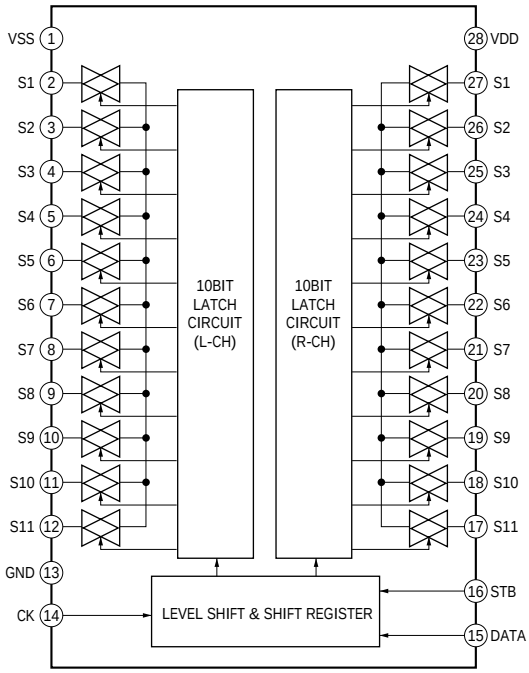
- **IC Block Diagrams**

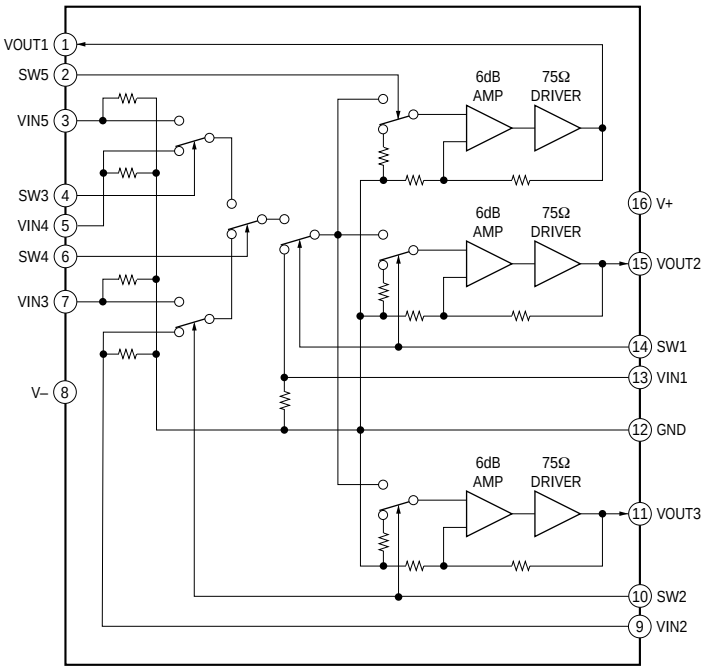
IC101 TC9274N-017 (AU-IN board)



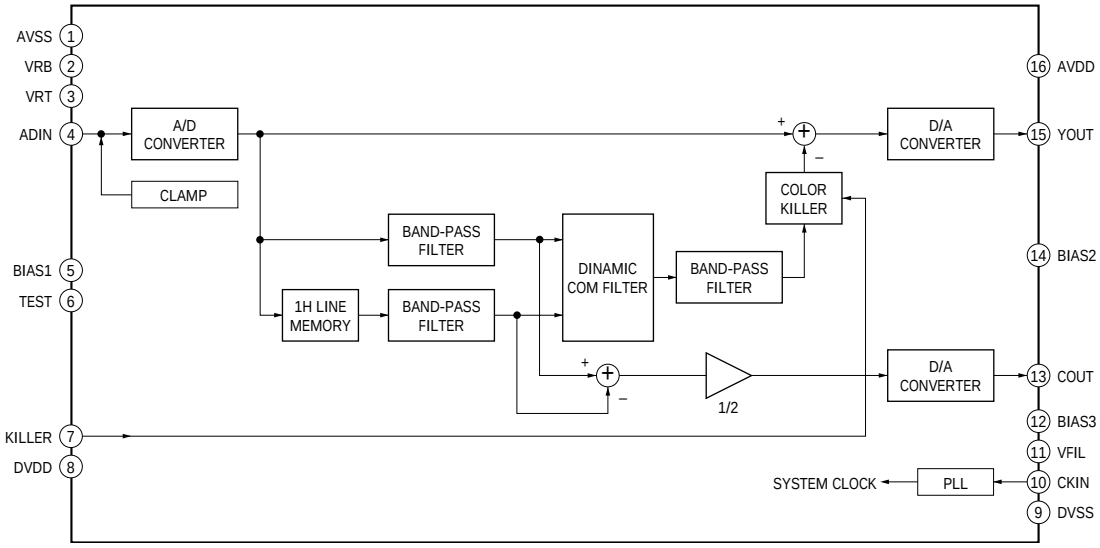
IC173 TC9273F-012 (EL) (AU-IN Board)
IC201 TC9273N-014 (VIDEO-AU Board)



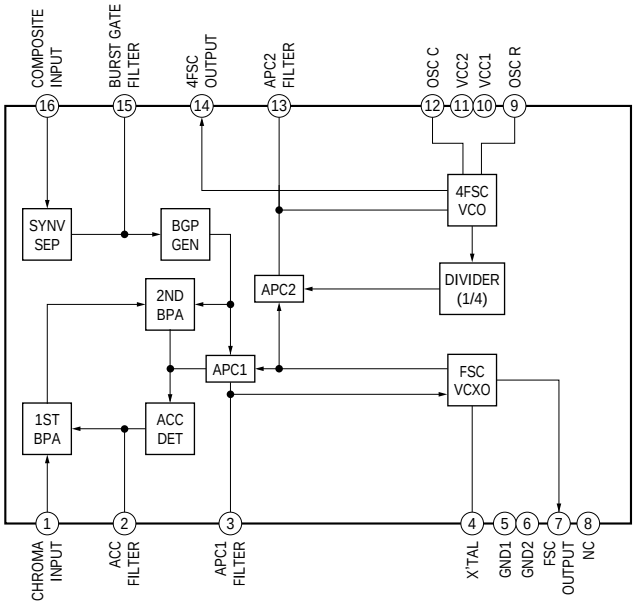
IC301 NJM2595D (VIDEO Board)
IC850, 851 NJM2595D (S-VIDEO Board)



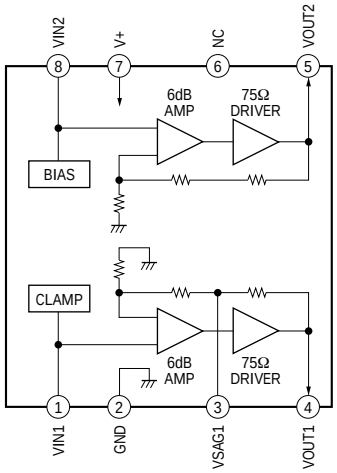
IC370 TC90A45F (COMP-V Board (STR-DA1000ES))



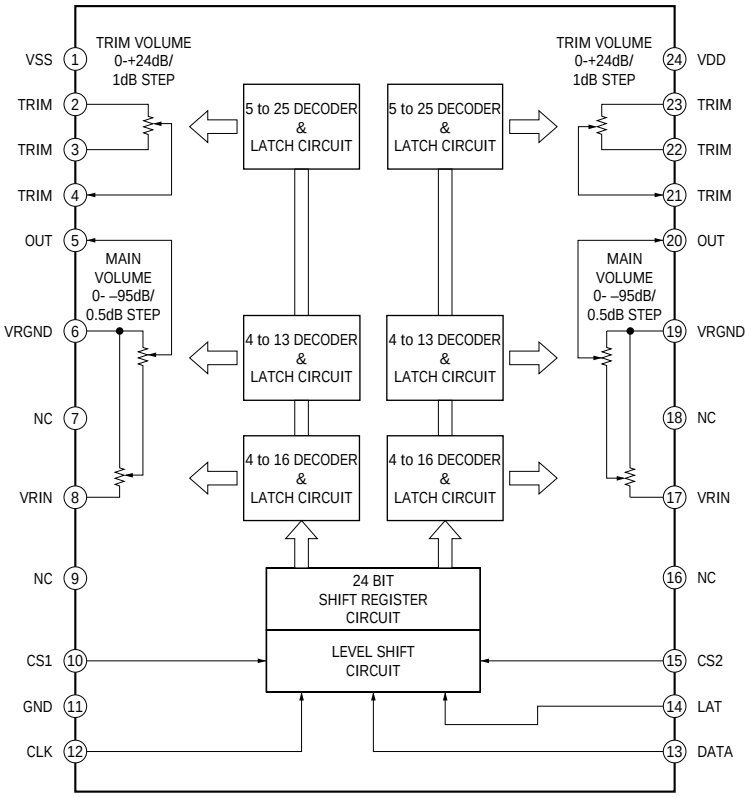
IC371 MM1093NF (COMP-V Board (STR-DA1000ES))



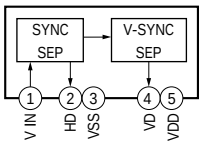
IC372 NJM2268D (COMP-V Board (STR-DA1000ES))



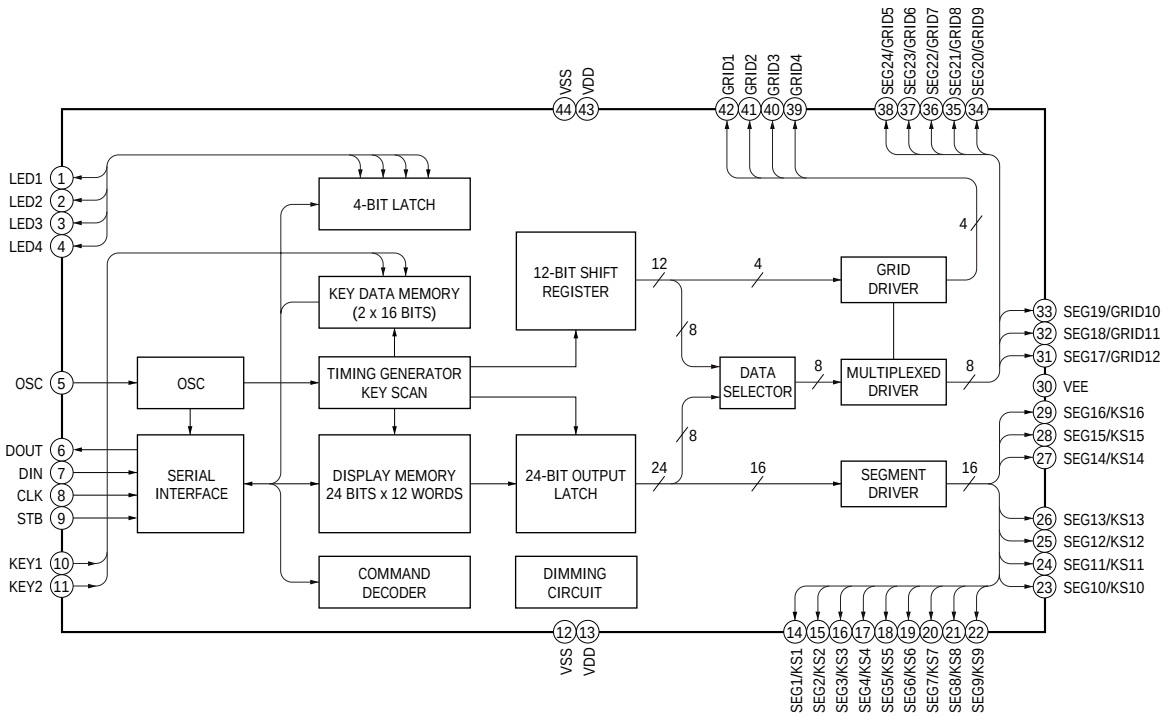
IC401, 501, 601, 651 CXD9275M (MAIN Board)



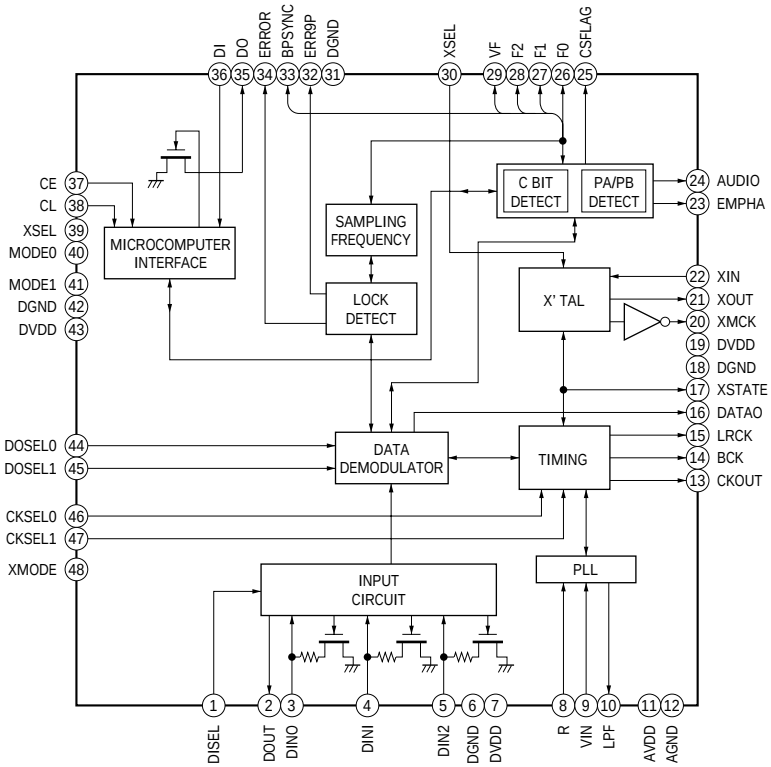
IC852 LA7213 (S-VIDEO Board (STR-DA1000ES))



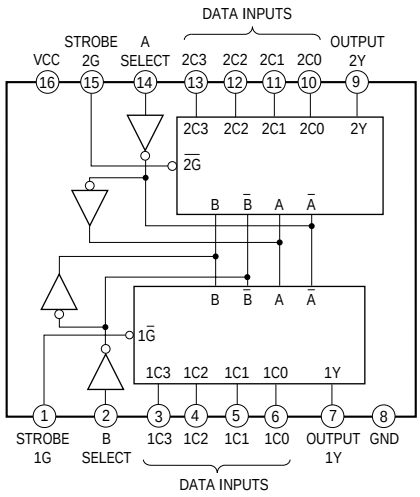
IC1001 μPD16315GB-3BS (DISPLAY Board)



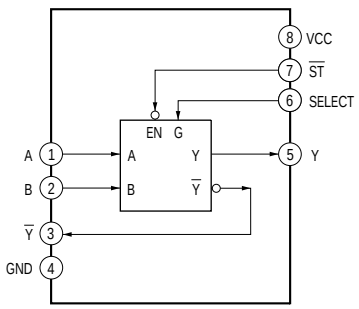
IC1101 LC89056W-E (DIGITAL Board)



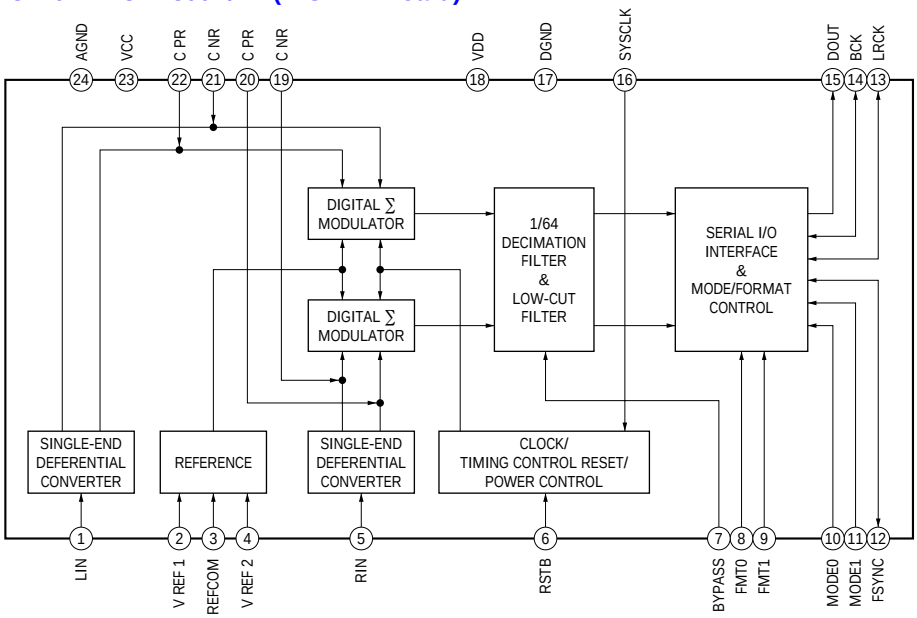
IC1103 SN74HC153ANS (DIGITAL Board)



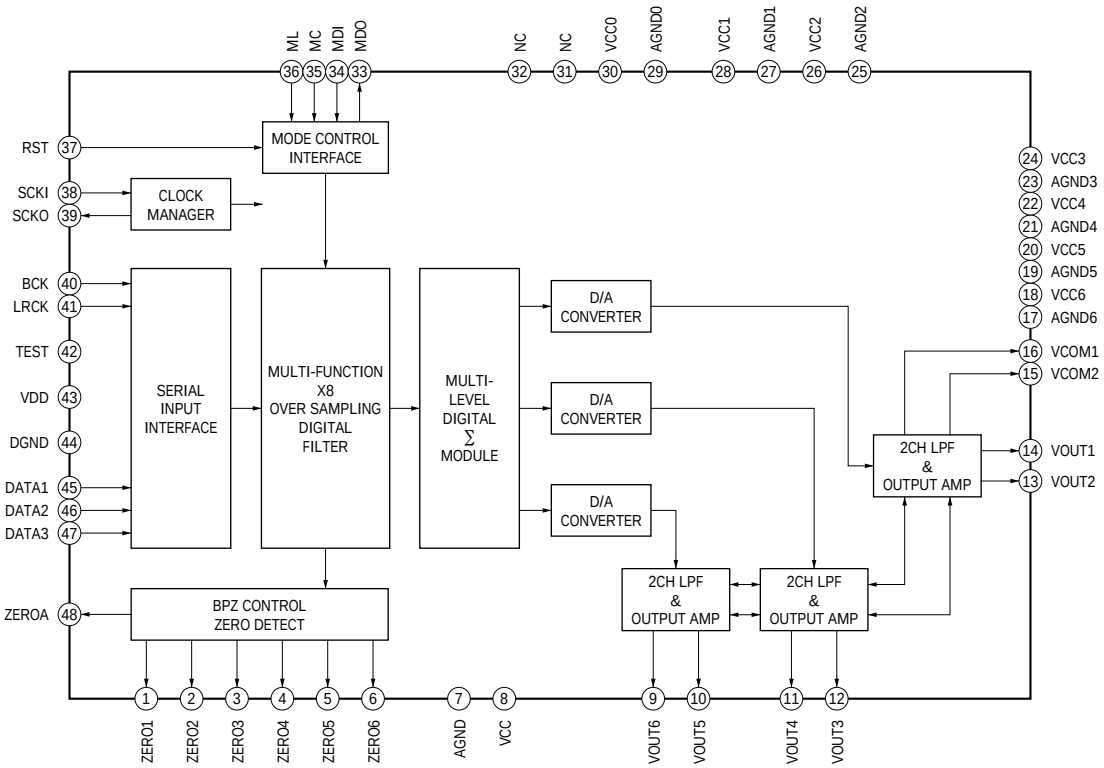
IC1204 TC7WH157FU (TE12R) (DIGITAL Board)
IC1504 TC7WH157FU (TE12R) (DIGITAL Board (STR-DA1000ES))



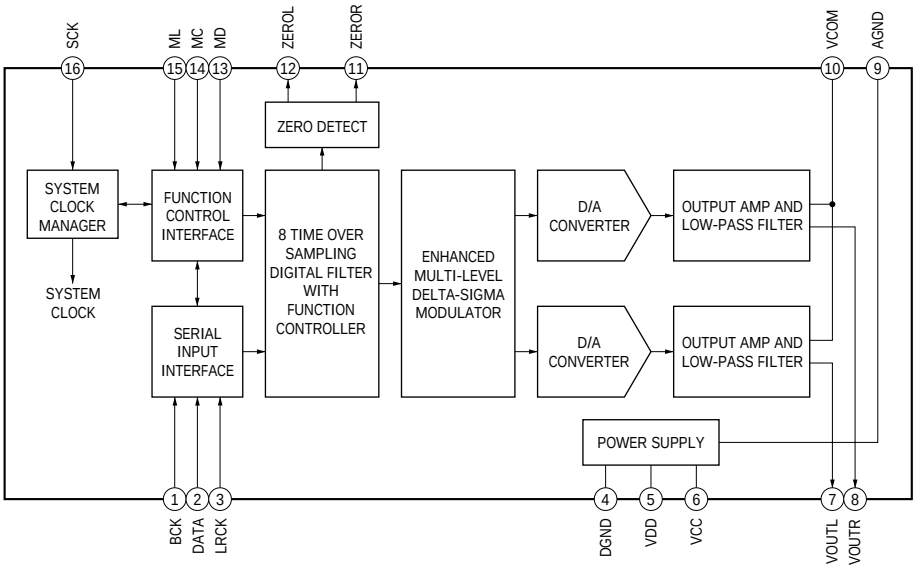
IC1401 PCM1800E/2K (DIGITAL Board)



IC1501 PCM1604Y/2K (DIGITAL Board)



IC1502 PCM1748E/2K (DIGITAL Board)



6-38. IC PIN FUNCTION DESCRIPTION

• DIGITAL BOARD IC1101 LC89056W-E (DIGITAL AUDIO INTERFACE RECEIVER)

Pin No.	Pin Name	I/O	Description
1	DISEL	I	Selection signal input terminal of data input terminal Fixed at "L" in this set
2	DOUT	O	Digital data output to the external output terminal
3 to 5	DIN0 to DIN2	I	Digital data input from the external input terminal
6	DGND	—	Ground terminal (for digital)
7	DVDD	—	Power supply terminal (+3.3V) (for digital)
8	R	I	Input terminal for VCO gain control
9	VIN	I	Input terminal for VCO free-run frequency setting
10	LPF	O	PLL loop filter setting terminal
11	AVDD	—	Power supply terminal (+3.3V) (for analog)
12	AGND	—	Ground terminal (for analog)
13	CKOUT	O	Audio clock signal output to the audio digital signal processor and D/A converter
14	BCK	O	Bit clock signal (2.8224 MHz) output to the audio digital signal processor and A/D converter
15	LRCK	O	L/R sampling clock signal (44.1 kHz) output to the audio digital signal processor and A/D converter
16	DATAO	O	Audio serial data output to the audio digital signal processor and system controller
17	XSTATE	O	Source clock selection monitor output to the system controller
18	DGND	—	Ground terminal (for digital)
19	DVDD	—	Power supply terminal (+3.3V) (for digital)
20	XMCK	O	System clock signal (12.288 MHz) output to the A/D converter
21	XOUT	O	System clock output terminal (12.288 MHz)
22	XIN	I	System clock input terminal (12.288 MHz)
23	EMPHA	O	Channel status emphasis information output terminal Not used
24	AUDIO	O	Channel status bit 1 output to the audio digital signal processor
25	CSFLAG	O	Channel status head 40 bit renewal flag output terminal Not used
26 to 29	F0/P0/C0 to F3/P3/C3	O	Output terminal of input frequency calculation result Not used
30	DVDD	—	Power supply terminal (+3.3V) (for digital)
31	DGND	—	Ground terminal (for digital)
32	AUTO	O	Not used
33	BPSYNC	O	Non-PCM burst preamble sync signal output terminal Not used
34	ERROR	O	PLL lock error signal and data error flag output to the audio digital signal processor and system controller
35	DO	O	Read data output to the system controller
36	DI	I	Write data input from the system controller
37	CE	I	Chip enable signal input from the system controller
38	CLK	I	Clock signal input from the system controller
39	XSEL	I	Selection signal input terminal of crystal oscillator frequency Fixed at "H" in this set
40, 41	MODE0, MODE1	I	Mode setting terminal Fixed at "L" in this set
42	DGND	—	Ground terminal (for digital)
43	DVDD	—	Power supply terminal (+3.3V) (for digital)
44, 45	DOSEL0, DOSEL1	I	Output data format selection signal input terminal Fixed at "L" in this set
46	CKSEL0	I	Output clock selection signal input terminal Fixed at "L" in this set
47	CKSEL1	I	Output clock selection signal input from the system controller
48	XMODE	I	System reset signal input from the system controller "L": reset

• DIGITAL BOARD IC1201 CXD9718Q (AUDIO DIGITAL SIGNAL PROCESSOR)

Pin No.	Pin Name	I/O	Description
1	VSS	—	Ground terminal
2	XRST	I	System reset signal input from the system controller "L": reset
3	EXTIN	I	Master clock signal input terminal Not used
4	FS2	I	Sampling frequency selection signal input terminal Not used
5	VDDI	—	Power supply terminal (+2.5V)
6	FS1	I	Sampling frequency selection signal input terminal Not used
7	PLOCK	O	Internal PLL lock signal output terminal Not used
8	VSS	—	Ground terminal
9	MCLK1	I	System clock input terminal (13.5 MHz)
10	VDDI	—	Power supply terminal (+2.5V)
11	VSS	—	Ground terminal
12	MCLK2	O	System clock output terminal (13.5 MHz)
13	MS	I	Master/slave setting terminal "L": internal clock, "H": external clock Fixed at "L" in this set
14	SCKOUT	O	Internal system clock output terminal Not used
15	LRCKI1	I	L/R sampling clock signal (44.1 kHz) input from the A/D converter and digital audio interface receiver
16	VDDE	—	Power supply terminal (+3.3V)
17	BCKI1	I	Bit clock signal (2.8224 MHz) input from the A/D converter and digital audio interface receiver
18	SDI1	I	Audio serial data input from the A/D converter
19	LRCKO	O	L/R sampling clock signal (44.1 kHz) output to the D/A converter
20	BCKO	O	Bit clock signal (2.8224 MHz) output to the D/A converter
21	VSS	—	Ground terminal
22	KFSIO	I	Audio clock signal input from the digital audio interface receiver
23 to 26	SDO1 to SDO4	O	Audio serial data output to the D/A converter
27	SPDIF	O	SPDIF signal output terminal Not used
28	LRCKI2	I	L/R sampling clock signal (44.1 kHz) input from the A/D converter and digital audio interface receiver
29	BCKI2	I	Bit clock signal (2.8224 MHz) input from the A/D converter and digital audio interface receiver
30	SDI2	I	Audio serial data input from the digital audio interface receiver
31	VSS	—	Ground terminal
32	HACN	O	Acknowledge signal output to the system controller
33	HDIN	I	Serial data input from the system controller
34	HCLK	I	Serial data transfer clock signal input from the system controller
35	HDOUT	O	Serial data output to the system controller
36	HCS	I	Chip select input from the system controller
37	SDCLK	I	Write signal input from the system controller
38	CLKEN	O	SD-RAM chip enable output terminal Not used
39	RAS	O	Row address strobe signal output terminal Not used
40	VDDI	—	Power supply terminal (+2.5V)
41	VSS	—	Ground terminal
42	CAS	O	Column address strobe signal output terminal Not used
43	DQM/OE0	O	Output terminal of data input/output mask Not used
44	CS0	O	Chip select signal output to the S-RAM
45	WE0	O	Write enable signal output to the S-RAM

Pin No.	Pin Name	I/O	Description
46	VDDE	—	Power supply terminal (+3.3V)
47	WMD1	I	External memory wait mode setting terminal Fixed at “H” in this set
48	VSS	—	Ground terminal
49	WMD0	I	External memory wait mode setting terminal Fixed at “H” in this set
50	PAGE2	O	External memory page selection signal output terminal Not used
51	VSS	—	Ground terminal
52, 53	PAGE1, PAGE0	O	External memory page selection signal output terminal Not used
54	BOOT	I	Boot mode control signal input terminal Not used
55	BTACT	O	Boot mode state display signal output terminal Not used
56	BST	I	Boot strap signal input from the system controller
57	MOD1	I	Operation mode setting terminal “L”: enhanced mode, “H”: normal mode Fixed at “H” in this set
58	MOD0	I	Operation mode setting terminal “L”: single chip mode, “H”: can not use Fixed at “L” in this set
59	EXLOCK	I	PLL lock error signal and data error flag input from the digital audio interface receiver
60	VDDI	—	Power supply terminal (+2.5V)
61	VSS	—	Ground terminal
62, 63	A17, A16	O	Address signal output terminal Not used
64 to 66	A15 to A13	O	Address signal output to the S-RAM
67	GP10	I	L/R sampling clock signal (44.1 kHz) input terminal
68	GP9	O	Read ready signal output to the system controller
69	GP8	I	Channel status bit 1 input from the digital audio interface receiver
70	VDDI	—	Power supply terminal (+2.5V)
71	VSS	—	Ground terminal
72 to 75	D15 to D12	I/O	Two-way data bus with the S-RAM
76	VDDE	—	Power supply terminal (+3.3V)
77 to 80	D11 to D8	I/O	Two-way data bus with the S-RAM
81	VSS	—	Ground terminal
82 to 85	A9, A12 to A10	O	Address signal output to the S-RAM
86	TDO	O	Simplicity emulation data output terminal Not used
87	TMS	I	Simplicity emulation data input start and end terminal Not used
88	XTRST	I	Simplicity emulation non-sync break signal input terminal Not used
89	TCK	I	Simplicity emulation clock signal input terminal Not used
90	TDI	I	Simplicity emulation data input terminal Not used
91	VSS	—	Ground terminal
92 to 97	A8 to A3	O	Address signal output to the S-RAM
98, 99	D7, D6	I/O	Two-way data bus with the S-RAM
100	VDDI	—	Power supply terminal (+2.5V)
101	VSS	—	Ground terminal
102 to 105	D5 to D2	I/O	Two-way data bus with the S-RAM
106	VDDE	—	Power supply terminal (+3.3V)
107, 108	D1, D0	I/O	Two-way data bus with the S-RAM
109, 110	A2, A1	O	Address signal output to the S-RAM
111	VSS	—	Ground terminal
112	A0	O	Address signal output to the S-RAM
113	PM	I	PLL initialize signal input from the system controller

Pin No.	Pin Name	I/O	Description
114, 115	SDI3, SDI4	I	Audio serial data input terminal Not used
116	SYNC	I	Sync/non-sync setting terminal "L": sync, "H": non-sync Fixed at "H" in this set
117 to 119	VSS	—	Ground terminal
120	VDDI	—	Power supply terminal (+2.5V)

• DIGITAL BOARD IC1601 MB90478PF-G-148-BND (SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	DATA0	I	Audio serial data input from the digital audio interface receiver
2	GP9	I	Read ready signal input from the audio digital signal processor
3	BST	O	Boot strap signal output to the audio digital signal processor
4	HCS	O	Chip select signal output to the audio digital signal processor
5	HACN	I	Acknowledge signal input from the audio digital signal processor
6	XRST	O	System reset signal output to the audio digital signal processor "L": reset
7	PM	O	PLL initialize signal output to the audio digital signal processor
8	RST	O	System reset signal output to the D/A converter "L": reset
9	CLK	O	Serial data transfer clock signal output to the D/A converter
10	DATA OUT	I	Serial data input from the D/A converter
11	VSS	—	Ground terminal
12	LAT	O	Serial data latch pulse signal output to the D/A converter
13	DATA IN	O	Serial data output to the D/A converter
14	DATA	O	Serial data output to the tuner unit, function switch and electrical volume
15	CLK	O	Serial data transfer clock signal output to the tuner unit, function switch and electrical volume
16	LATCH	O	Serial data latch pulse signal output to the function switch and electrical volume
17	PCM1748 LAT	O	Serial data latch pulse signal output to the D/A converter
18	HDOUT	I	Serial data input from the audio digital signal processor
19	HDIN	O	Serial data output to the audio digital signal processor
20	HCLK	O	Serial data transfer clock signal output to the audio digital signal processor
21	GP12	O	Write signal output to the audio digital signal processor
22	AD RST	O	System reset signal output to the A/D converter "L": reset
23	VCC5	—	Power supply terminal (+3.3V)
24	D-POWER	O	Digital section power on/off control signal output terminal "H": power on
25	ANA/DIG	O	Analog/digital selection signal output terminal "L": analog, "H": digital
26	V-POWER	O	Video section power on/off control signal output terminal "H": power on
27	FLASH2	O	Flash programming signal output terminal
28	SP SWITCH/ FLASH1	I/O	Speaker switch input terminal "L": speaker on Flash programming signal output terminal
29	C/SB RY	O	Relay drive signal output terminal (for center/surround back speaker) "H": relay on
30	SPB RY	O	Relay drive signal output terminal (for front B speaker) "H": relay on
31	PCM SW	O	Not used
32	LRCK SW	O	Signal selection signal output terminal "L": boot strap signal, "H": L/R sampling clock signal
33	SCL	O	Serial data transfer clock signal output to the EEPROM
34	SDA	I/O	Two-way data bus with the EEPROM
35	AVCC	—	Power supply terminal (+3.3V) (for analog)
36	AVRH	I	Reference voltage (+3.3V) input terminal
37	AVSS	—	Ground terminal (for analog)
38, 39	A/D0, A/D1	I	Front panel key input terminal (A/D input)
40	RDS SIGNAL	I	RDS signal input from the tuner unit (STR-DB790: AEP and UK models only)
41	VERSION	I	Destination setting terminal
42	VSS	—	Ground terminal
43	DETECT	I	Voltage limit detection signal input terminal
44	MENU ENCODER A	I	Jog dial pulse input from the rotary encoder (A phase input) (for MENU)

Pin No.	Pin Name	I/O	Description
45	MENU ENCODER B	I	Jog dial pulse input from the rotary encoder (B phase input) (for MENU)
46	FUN LAT SW	O	Serial data latch pulse signal selection signal output terminal "L": for electrical volume, "H": for function switch
47	LIMITTER	O	Output voltage control signal output terminal
48	STOP	I	AC off detection signal input terminal
49, 50	MD0, MD1	O	Setting terminal for the CPU operation mode Fixed at "H" in this set
51	MD2	O	Setting terminal for the CPU operation mode Fixed at "L" in this set
52	RDS CLOCK	I	RDS interrupt clock signal input from the tuner unit (STR-DB790: AEP and UK models only)
53	RDS DATA	I	RDS serial data input from the tuner unit (STR-DB790: AEP and UK models only)
54	SIRCS	I	Sircs signal input terminal
55	HP DETECT	I	Headphone detection signal input terminal "H": headphone is connected
56	POWER KEY	I	I/⏻ key input terminal "L": power on
57 to 60	SW4 to SW1	O	Video selection signal output terminal
61	DIN	O	Serial data output to the fluorescent indicator tube driver
62	CLK	O	Serial data transfer clock signal output to the fluorescent indicator tube driver
63	FL STB	O	Strobe signal output to the fluorescent indicator tube driver
64	A1 OUT	O	Sircs signal output for CONTROL A1 II
65	A1 IN	I	Sircs signal input for CONTROL A1 II
66	POWER RELAY	O	Relay drive signal output terminal (for main power) "H": relay on
67	PROTECTOR	I	Protect detection signal input from the protect circuit
68	HEADPHONE RELAY	O	Relay drive signal output terminal (for headphone) "H": relay on
69	GROUPING SW	O	Data selection signal output terminal
70	REAR RELAY	O	Relay drive signal output terminal (for surround speaker) "H": relay on
71	SW RELAY	O	Relay drive signal output terminal (for sub woofer) "H": relay on
72	FRONT RELAY	O	Relay drive signal output (for front A speaker) "H": relay on
73	TUNED	I	Tuned detection signal input from the tuner unit
74	STEREO	I	FM stereo detection signal input from the tuner unit
75	MUTE	O	Muting request control signal output to the tuner unit
76	DO	I	Serial data input from the tuner unit
77	RSTX	I	System reset signal input from the reset signal generator "L": reset For several hundreds msec. after the power supply rises, "L" is input, then it changes to "H"
78	SLATCH	O	Serial data latch pulse signal output to the tuner unit
79	X1A	O	Sub system clock output terminal Not used
80	X0A	I	Sub system clock input terminal Not used
81	VSS	—	Ground terminal
82	X0	I	Main system clock input terminal (16 MHz)
83	X1	O	Main system clock output terminal (16 MHz)
84	VCC3	—	Power supply terminal (+3.3V)
85	FUNC (B)	I	Jog dial pulse input from the rotary encoder (B phase input) (for INPUT SELECTOR)
86	FUNC (A)	I	Jog dial pulse input from the rotary encoder (A phase input) (for INPUT SELECTOR)
87	+/– ENCODER A	I	Jog dial pulse input from the rotary encoder (A phase input) (for –/+)
88	+/– ENCODER B	I	Jog dial pulse input from the rotary encoder (B phase input) (for –/+)
89	VOL ENCODER A	I	Jog dial pulse input from the rotary encoder (A phase input) (for MASTER VOLUME)
90	VOL ENCODER B	I	Jog dial pulse input from the rotary encoder (B phase input) (for MASTER VOLUME)

Pin No.	Pin Name	I/O	Description
91, 92	SELECT1, SELECT2	O	Digital input selection signal output terminal
93	XMODE	O	System reset signal output to the digital audio interface receiver “L”: reset
94	CKSEL1	O	Output clock selection signal output to the digital audio interface receiver
95	CLK	O	Clock signal output to the digital audio interface receiver
96	CE	O	Chip enable signal output to the digital audio interface receiver
97	DI	O	Write data output to the digital audio interface receiver
98	DO	I	Read data input from the digital audio interface receiver
99	ERROR	I	PLL lock error signal and data error flag input from the digital audio interface receiver
100	XSTATE	I	Source clock selection monitor input from the digital audio interface receiver

SECTION 7
EXPLODED VIEWS

NOTE:

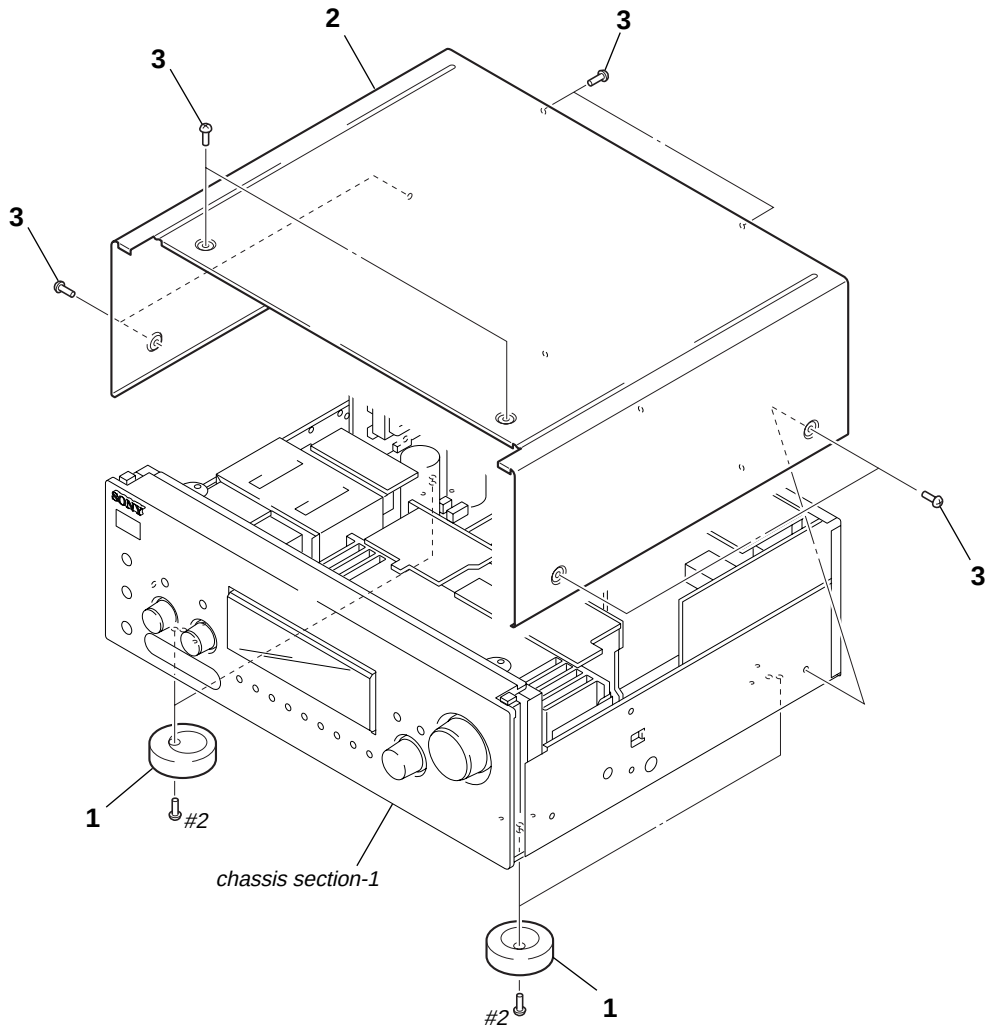
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Abbreviation
  AUS : Australian model KR : Korean model TW : Taiwan model
  CH : Chinese model MY : Malaysia model
  CND : Canadian model SP : Singapore model
- Color variation
  SILVER : STR-DA1000ES/DB790: AEP, UK, Australian
  GOLD : STR-DB790: Korean, Singapore, Malaysia, Taiwan, Chinese
  BLACK : STR-DB790: AEP, UK, Australian
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Accessories are given in the last of the electrical parts list.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiquens pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

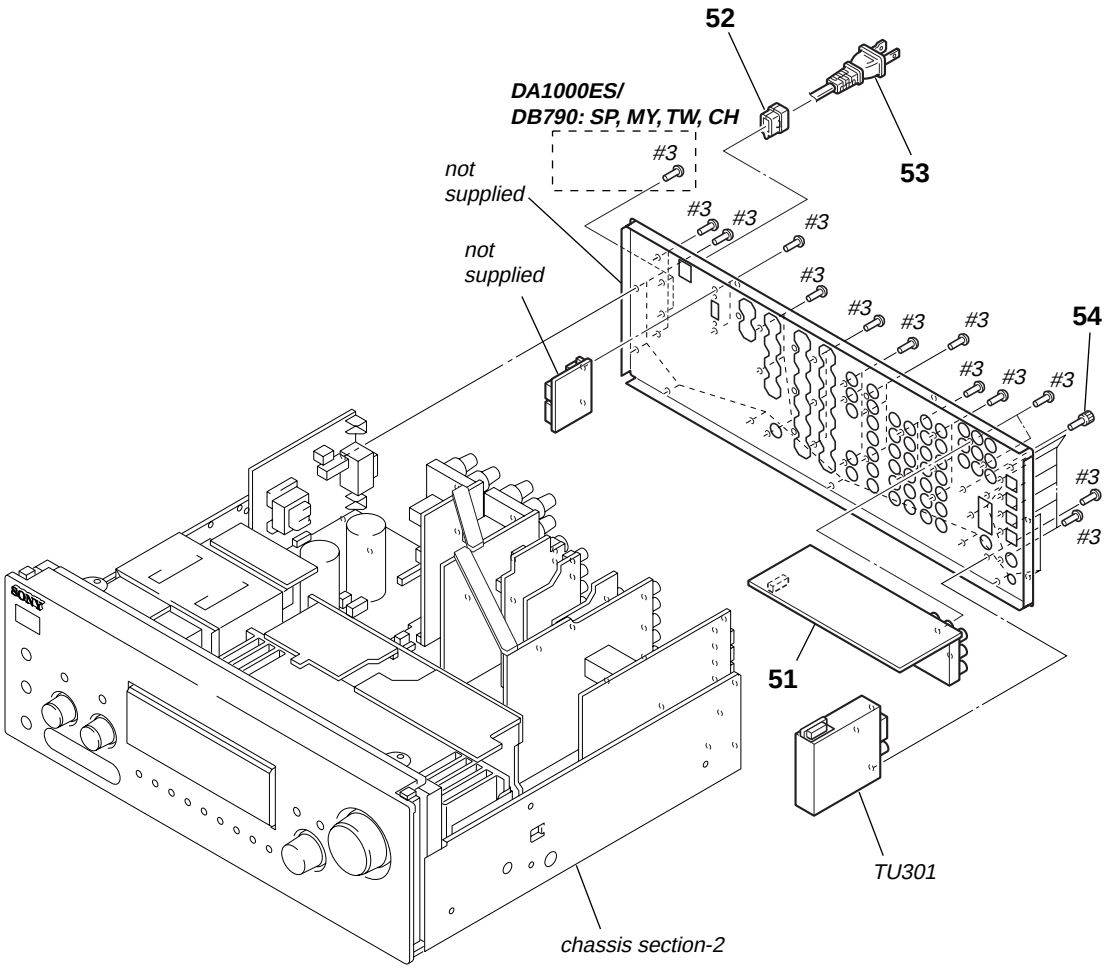
7-1. CASE SECTION



Ref. No.	Part No.	Description	Remark
1	X-4953-883-2	FOOT ASSY	
2	4-248-594-01	CASE (414535) (SILVER)	
2	4-248-594-21	CASE (414535) (GOLD)	
2	4-900-512-02	CASE (414535) (BLACK)	

Ref. No.	Part No.	Description	Remark
3	4-227-843-01	SCREW (TP), FLAT HEAD (BLACK)	
3	4-227-843-31	SCREW (TP), FLAT HEAD (SILVER, GOLD)	
#2	7-685-885-09	SCREW +BVTT 4X16 (S)	

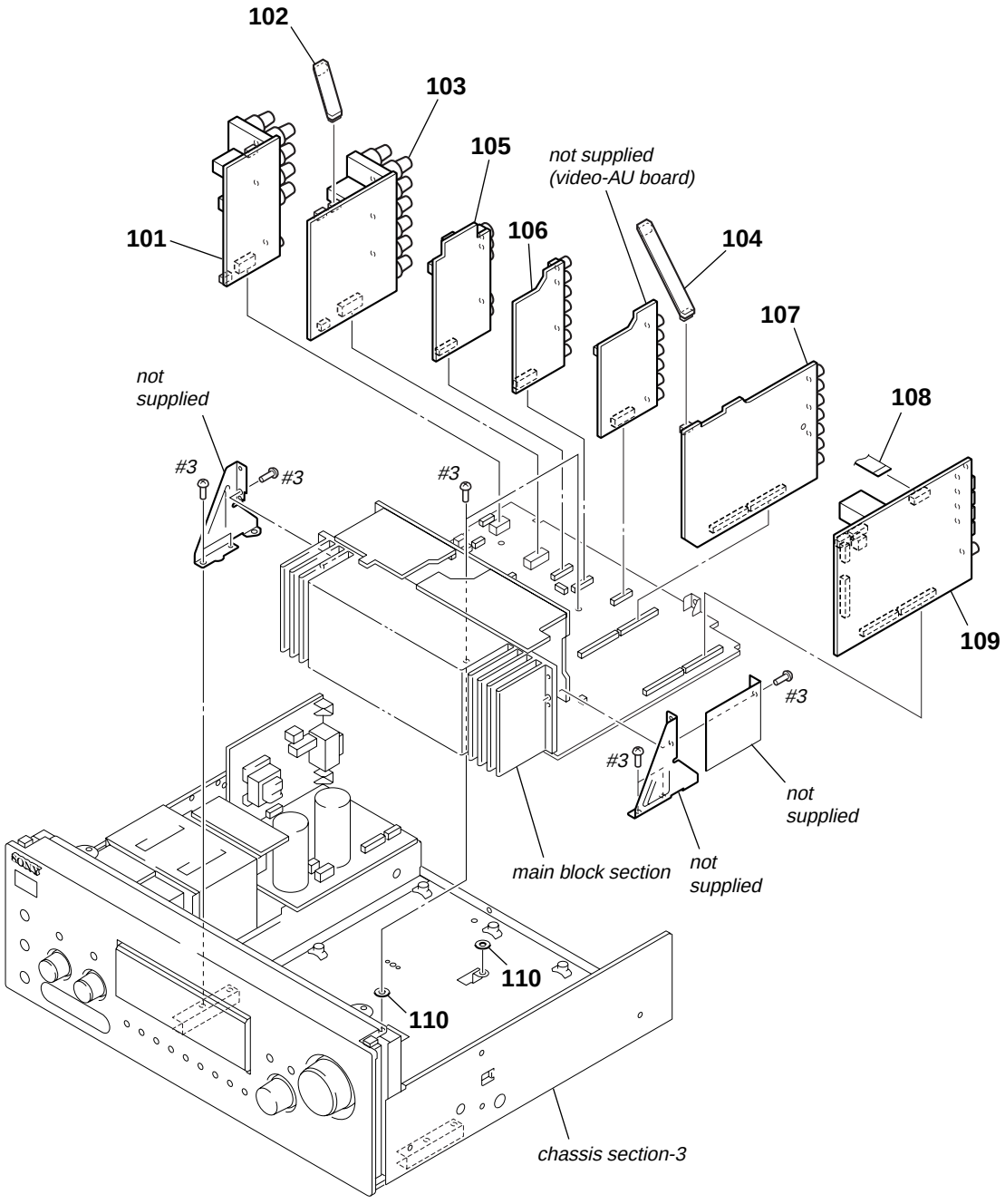
7-2. CHASSIS SECTION-1



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性．因此只能以规定号码的零部件来更换．

Ref. No.	Part No.	Description	Remark
51	A-4733-546-A	COMP-V BOARD, COMPLETE (DB790)	
51	A-4733-521-A	COMP-V BOARD, COMPLETE (DA1000ES)	
* 52	3-703-244-00	BUSHING (2104), CORD	
⚠53	1-696-847-21	CORD, POWER (AUS)	
⚠53	1-769-079-22	CORD, POWER (KR)	
⚠53	1-769-743-11	CORD, POWER (CND)	
⚠53	1-777-071-23	CORD, POWER (AEP, UK, SP, MY)	
⚠53	1-782-464-22	CORD, POWER (CH)	
⚠53	1-783-820-11	CORD, POWER (US)	
⚠53	1-827-597-41	CORD, POWER (TW)	
54	4-947-010-01	SCREW, FEEDER FIXED	
TU301	1-693-577-21	TUNER (DA1000ES)	
TU301	1-693-578-21	TUNER (DB790: AEP, UK)	
TU301	1-693-580-23	TUNER (DB790: SP, MY, TW, KR, AUS, CH)	
#3	7-685-646-79	SCREW +BVTP 3X8 TYPE IT-3	

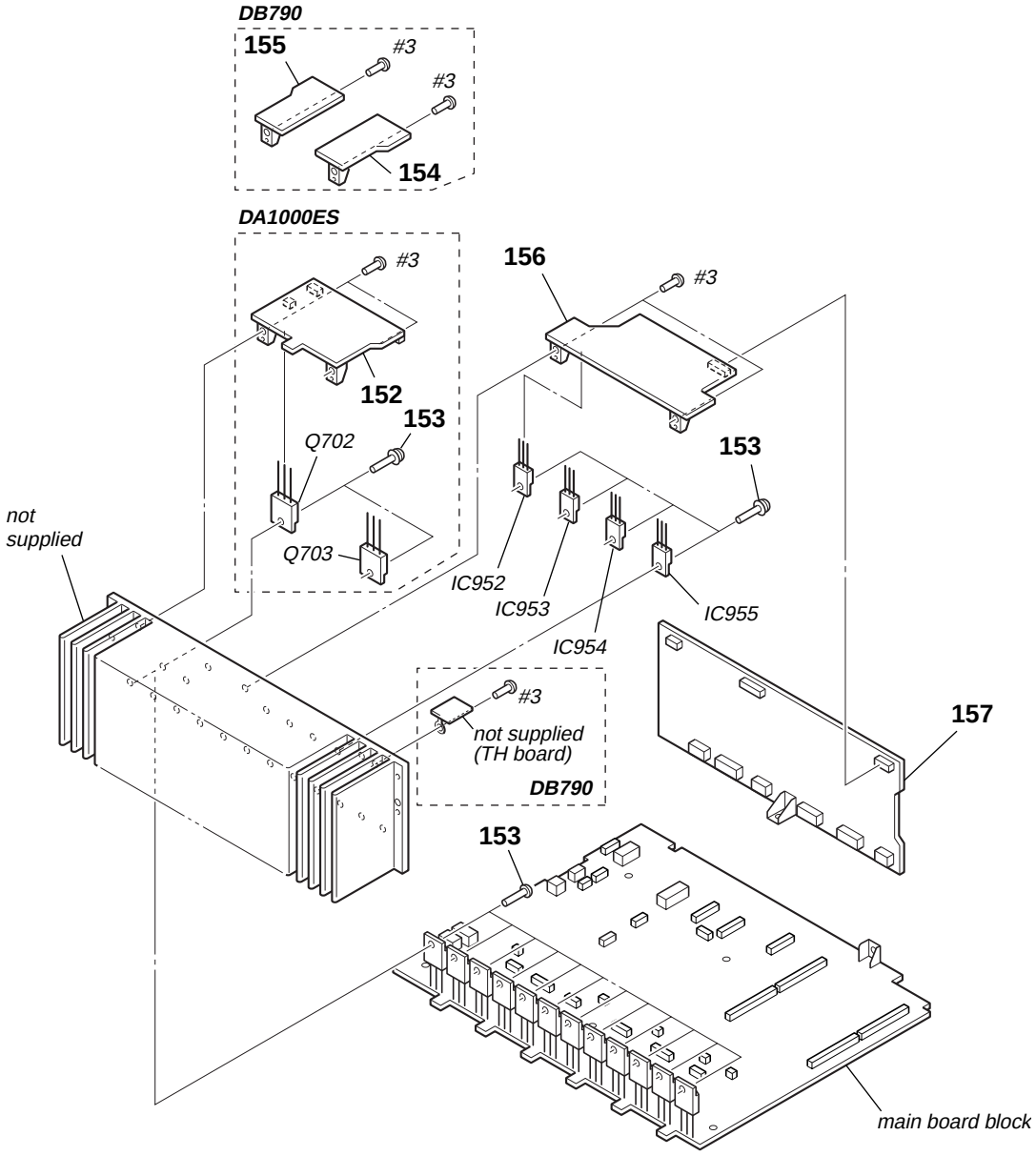
7-3. CHASSIS SECTION-2



Ref. No.	Part No.	Description	Remark
101	1-688-637-11	SP-B BOARD	
102	1-689-784-11	STAY4 BOARD	
103	1-688-636-11	SP-A BOARD	
104	1-689-748-11	STAY3 BOARD	
105	A-4733-530-A	S-VIDEO BOARD, COMPLETE (DA1000ES)	
105	A-4733-550-A	S-VIDEO BOARD, COMPLETE (DB790)	
106	1-688-645-11	VIDEO BOARD	
107	A-4733-570-A	AU-IN BOARD, COMPLETE	
		(DB790: AEP, UK, AUS)	
107	A-4733-528-A	AU-IN BOARD, COMPLETE (DA1000ES)	
107	A-4733-548-A	AU-IN BOARD, COMPLETE	
		(DB790: SP, MY, TW, KR, CH)	

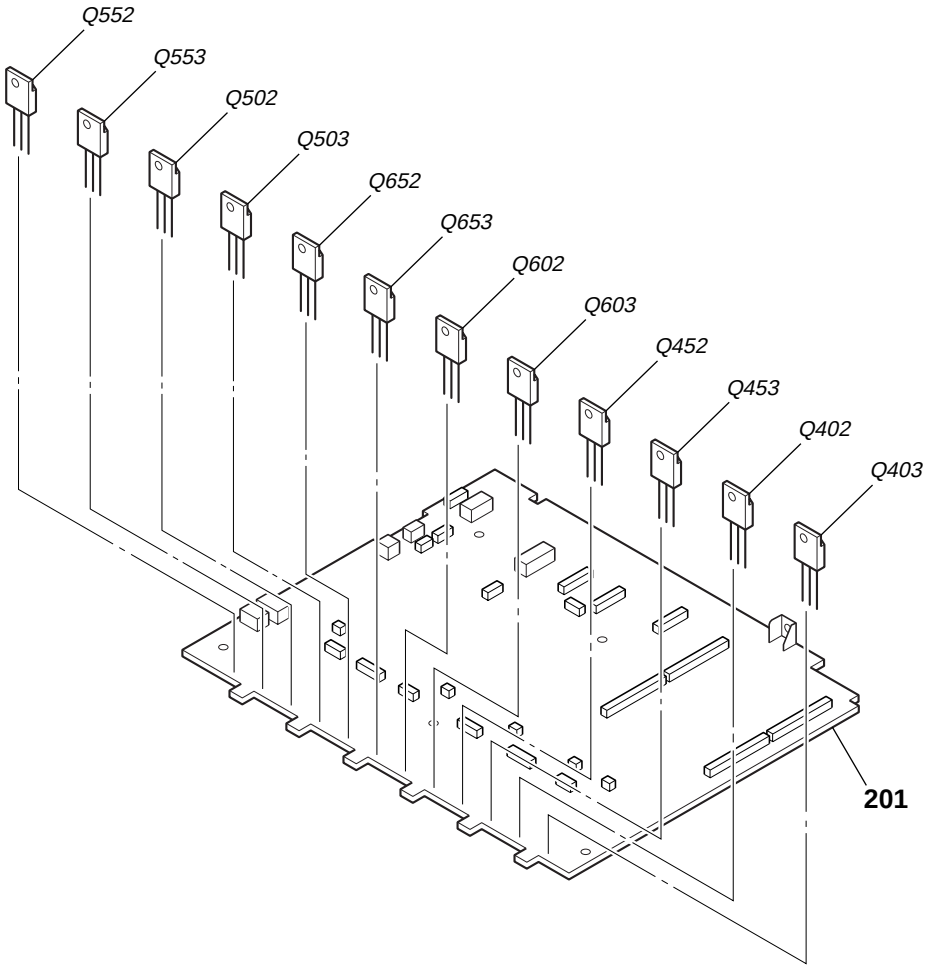
Ref. No.	Part No.	Description	Remark
108	1-769-938-11	WIRE (FLAT TYPE) (11 CORE)	
		(DA1000ES/DB790: SP, MY, TW, KR, AUS, CH)	
108	1-773-002-11	WIRE (FLAT TYPE) (15 CORE)	
		(DB790: AEP, UK)	
109	A-4733-508-A	DIGITAL BOARD, COMPLETE (DA1000ES)	
109	A-4733-536-A	DIGITAL BOARD, COMPLETE	
		(DB790: SP, MY, TW, KR, AUS, CH)	
109	A-4733-576-A	DIGITAL BOARD, COMPLETE (DB790: AEP, UK)	
110	4-971-099-01	WASHER (P)	
#3	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

7-4. MAIN BLOCK SECTION



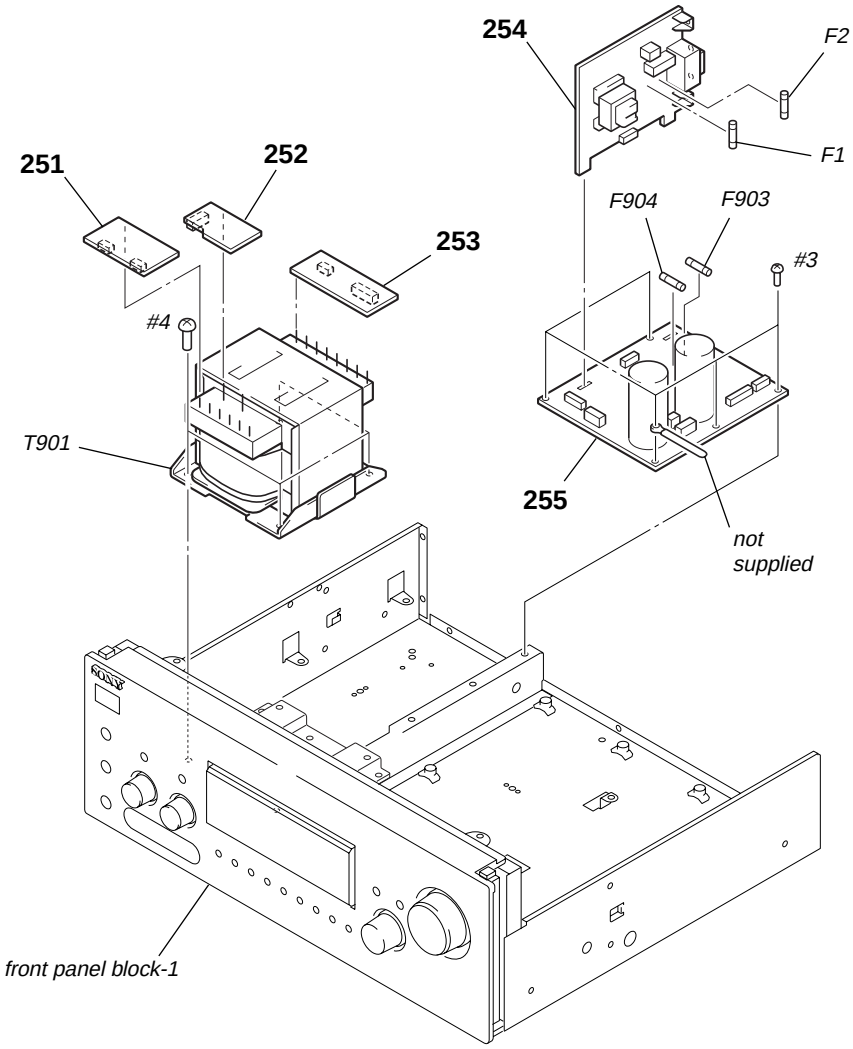
Ref. No.	Part No.	Description	Remark
152	A-4733-518-A	SBL BOARD, COMPLETE (DA1000ES)	
153	3-905-609-11	SCREW (TRANSISTOR)	
154	1-689-177-11	STAY BOARD (DB790)	
155	1-689-747-11	STAY2 BOARD (DB790)	
156	A-4733-517-A	DC2 BOARD, COMPLETE (DA1000ES)	
156	A-4733-543-A	DC2 BOARD, COMPLETE (DB790: SP, MY, TW, KR, CH)	
156	A-4733-574-A	DC2 BOARD, COMPLETE (DB790: AEP, UK, AUS)	
157	A-4733-467-A	A-CLASS BOARD, COMPLETE (DB790: AEP, UK, AUS)	
157	A-4733-513-A	A-CLASS BOARD, COMPLETE (DA1000ES)	
157	A-4733-539-A	A-CLASS BOARD, COMPLETE (DB790: SP, MY, TW, KR, CH)	
IC952	8-759-231-53	IC TA7805S	
IC953	8-759-231-53	IC TA7805S	
IC954	8-759-245-87	IC TA79015S	
IC955	8-759-231-59	IC TA7815S	
Q702	6-702-390-01	IC MN2488-OPY-MK (DA1000ES)	
Q703	6-702-391-01	IC MP1620-OPY-MK (DA1000ES)	
#3	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

7-5. MAIN BOARD BLOCK



Ref. No.	Part No.	Description	Remark
201	A-4733-533-A	MAIN BOARD, COMPLETE (DA1000ES)	
201	A-4733-553-A	MAIN BOARD, COMPLETE (DB790: SP, MY, TW, KR, CH)	
201	A-4733-568-A	MAIN BOARD, COMPLETE (DB790: AEP, UK, AUS)	
Q402	6-702-390-01	IC MN2488-OPY-MK	
Q403	6-702-391-01	IC MP1620-OPY-MK	
Q452	6-702-390-01	IC MN2488-OPY-MK	
Q453	6-702-391-01	IC MP1620-OPY-MK	
Q502	6-702-390-01	IC MN2488-OPY-MK	
Q503	6-702-391-01	IC MP1620-OPY-MK	
Q552	6-702-390-01	IC MN2488-OPY-MK	
Q553	6-702-391-01	IC MP1620-OPY-MK	
Q602	6-702-390-01	IC MN2488-OPY-MK	
Q603	6-702-391-01	IC MP1620-OPY-MK	
Q652	6-702-390-01	IC MN2488-OPY-MK	
Q653	6-702-391-01	IC MP1620-OPY-MK	

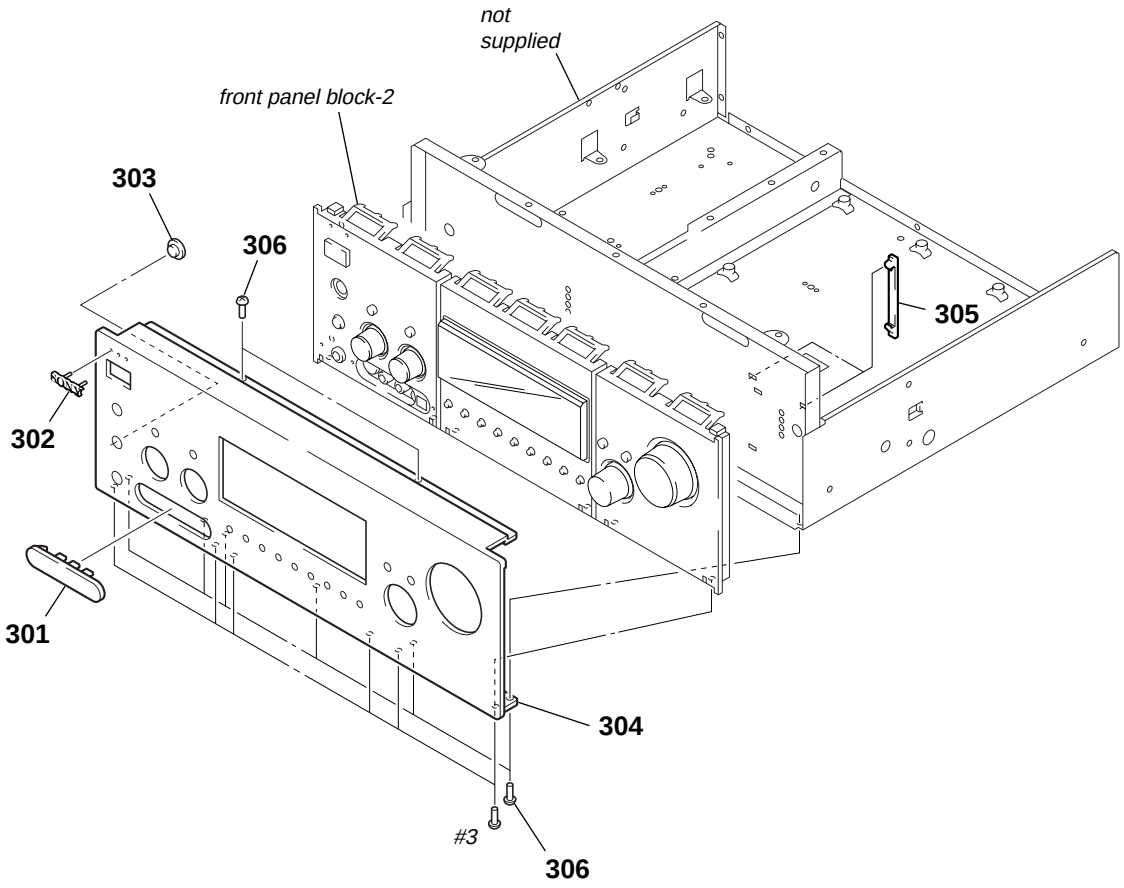
7-6. CHASSIS SECTION-3



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

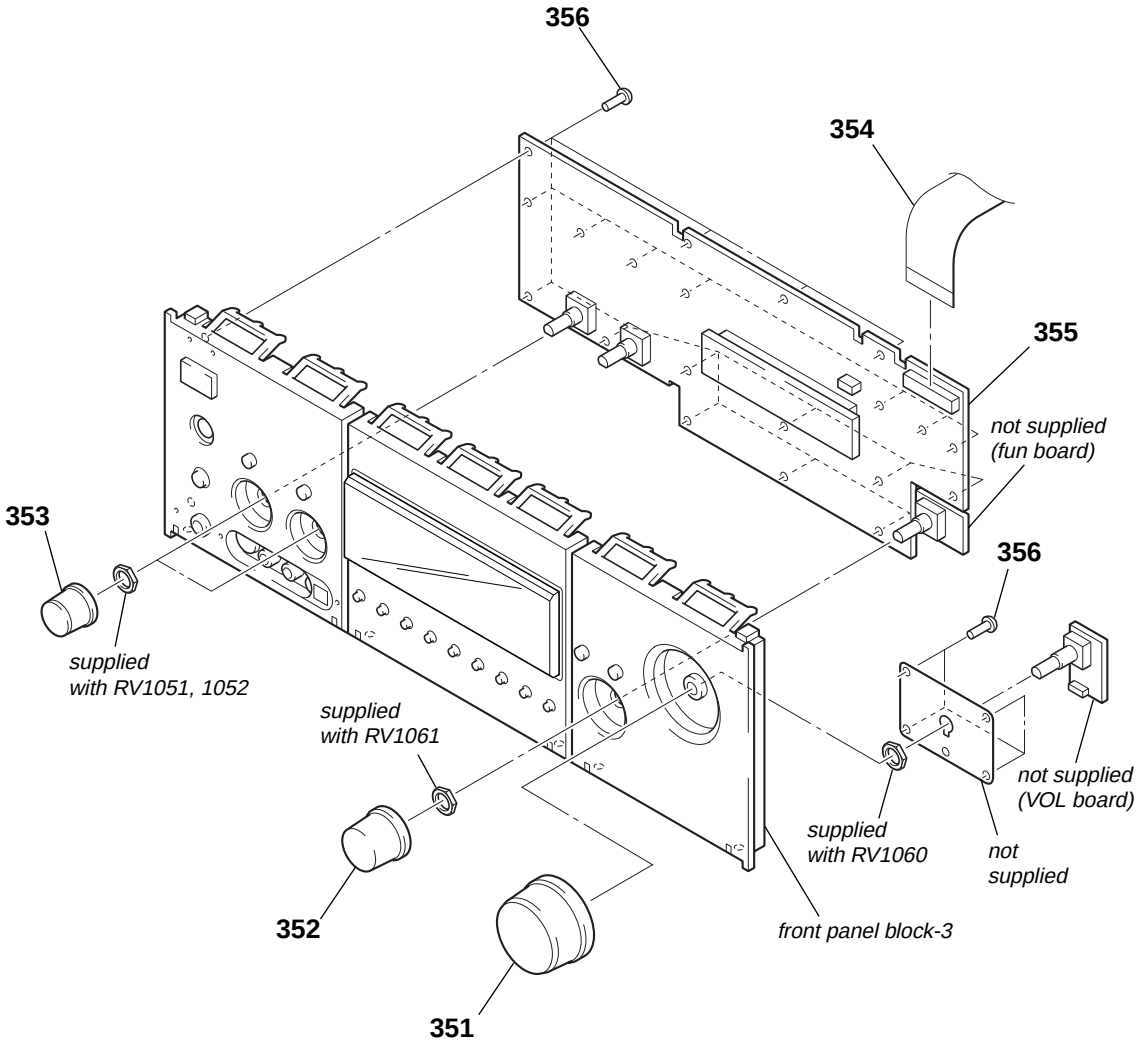
Ref. No.	Part No.	Description	Remark
251	1-689-176-11	SEC3 BOARD	
252	1-689-173-11	PRI BOARD	
253	1-689-174-11	SEC1 BOARD	
254	1-688-632-11	AC BOARD	
255	1-688-633-11	DC1 BOARD	
⚠F1	1-532-504-51	FUSE (4A/250V) (DB790: AEP, UK, SP, MY, KR, AUS, CH)	
⚠F1	1-533-312-11	FUSE, GLASS CYLINDRICAL (DIA.5) (10A/125V) (DA1000ES/DB790: TW)	
⚠F2	1-532-464-51	FUSE (T2.5AL/250V) (DB790: SP, MY)	
⚠F2	1-533-312-11	FUSE, GLASS CYLINDRICAL (DIA.5) (10A/125V) (DA1000ES)	
⚠F903	1-532-504-51	FUSE (4A/250V) (DB790)	
⚠F903	1-576-108-11	FUSE (4A/125V) (DA1000ES)	
⚠F904	1-532-504-51	FUSE (4A/250V) (DB790)	
⚠F904	1-576-108-11	FUSE (4A/125V) (DA1000ES)	
⚠T901	1-439-800-11	TRANSFORMER, POWER (DB790: CH)	
⚠T901	1-439-801-11	TRANSFORMER, POWER (DB790: TW)	
⚠T901	1-439-802-11	TRANSFORMER, POWER (DA1000ES)	
⚠T901	1-439-803-11	TRANSFORMER, POWER (DB790: AEP, UK, SP, MY, KR, AUS)	
#3	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#4	7-685-881-09	SCREW +BVTT 4X8 (S)	

7-7. FRONT PANEL BLOCK-1



Ref. No.	Part No.	Description	Remark
301	X-4955-963-2	LID ASSY (BLACK)	
301	X-4955-967-1	LID ASSY (GOLD)	
301	X-4955-968-2	LID ASSY (SILVER)	
302	4-240-858-01	EMBLEM (5-A), SONY (BLACK)	
302	4-240-858-11	EMBLEM (5-A), SONY (GOLD)	
302	4-240-858-21	EMBLEM (5-A), SONY (SILVER)	
303	X-4953-000-1	WINDOW ASSY, REMOTE CONTROL	
304	4-245-444-01	PANEL, FRONT (DB790: BLACK)	
304	4-245-444-11	PANEL, FRONT (DB790: SILVER)	
304	4-245-444-21	PANEL, FRONT (DB790: GOLD)	
304	4-245-444-31	PANEL, FRONT (DA1000ES)	
305	3-064-084-01	CLAMP (FCR-60), FLAT	
306	3-704-515-21	SCREW (BV/RING) (BLACK)	
306	3-704-515-31	SCREW (BV/RING) (SILVER, GOLD)	
#3	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

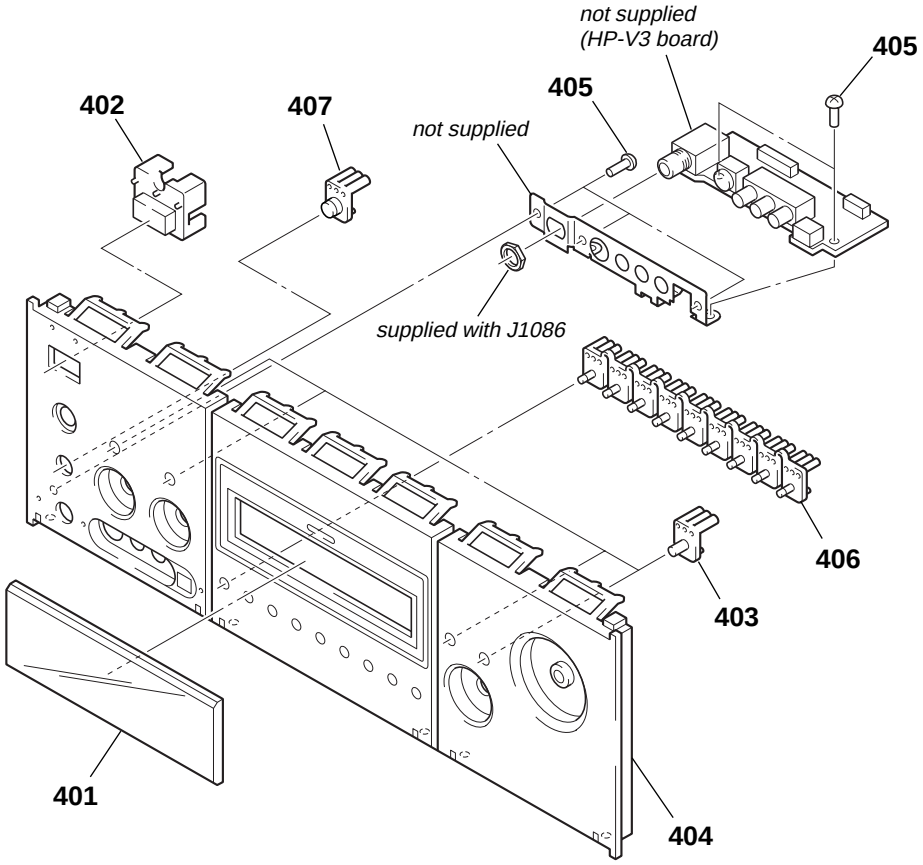
7-8. FRONT PANEL BLOCK-2



Ref. No.	Part No.	Description	Remark
351	4-240-507-01	KNOB (VOL) (BLACK)	
351	X-4953-671-1	KNOB (VOL-E) ASSY (GOLD)	
351	X-4953-672-1	KNOB (VOL-E) ASSY (SILVER)	
352	4-232-569-01	KNOB (FN DE9) (BLACK)	
352	4-232-569-11	KNOB (FN DE9) (GOLD)	
352	4-232-569-21	KNOB (FN DE9) (SILVER)	

Ref. No.	Part No.	Description	Remark
353	4-245-437-01	KNOB (MENU) (BLACK)	
353	4-245-437-21	KNOB (MENU) (GOLD)	
353	4-245-437-31	KNOB (MENU) (SILVER)	
354	1-773-270-11	WIRE (FLAT TYPE) (27 CORE)	
355	A-4733-524-A	DISPLAY BOARD, COMPLETE	
356	4-951-620-01	SCREW (2.6X8), +BVTP	

7-9. FRONT PANEL BLOCK-3



Ref. No.	Part No.	Description	Remark
401	4-245-438-01	PLATE, INDICATION (BLACK)	
401	4-245-438-11	PLATE, INDICATION (SILVER)	
402	4-998-592-01	BUTTON (POWER) (BLACK)	
402	4-998-592-12	BUTTON (POWER) (GOLD)	
402	4-998-592-31	BUTTON (POWER) (SILVER)	
403	4-245-436-01	BUTTON (MENU) (BLACK)	
403	4-245-436-21	BUTTON (MENU) (GOLD)	
403	4-245-436-31	BUTTON (MENU) (SILVER)	
404	4-245-430-01	BASE, PANEL (BLACK)	
404	4-245-430-11	BASE, PANEL (SILVER)	
404	4-245-430-21	BASE, PANEL (GOLD)	
405	4-951-620-01	SCREW (2.6X8), +BVTP	
406	4-245-435-01	BUTTON (MODE) (BLACK)	
406	4-245-435-21	BUTTON (MODE) (GOLD)	
406	4-245-435-31	BUTTON (MODE) (SILVER)	
407	4-245-434-01	BUTTON (SP) (BLACK)	
407	4-245-434-21	BUTTON (SP) (GOLD)	
407	4-245-434-31	BUTTON (SP) (SILVER)	

SECTION 8
ELECTRICAL PARTS LIST

4/8 SW **A-CLASS**

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- Abbreviation
  AUS : Australian model KR : Korean model SP : Singapore model
  CND : Canadian model MY : Malaysia model TW : Taiwan model
  CH : Chinese model
- Items marked "*" are not stocked since they are seldom required for routine service.
  Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA. . : µA. . uPA. . : µPA. .
  uPB. . : µPB. . uPC. . : µPC. .
  uPD. . : µPD. .
- CAPACITORS
  uF: µF
- COILS
  uH: µH

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiquens pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description				Remark
		4/8 SW BOARD				
		**********				
		< CONNECTOR >				
* CN901	1-564-242-00	PIN, CONNECTOR (3.96mm PITCH) 5P				
CN902	1-785-101-11	PIN, CONNECTOR (3.96mm PITCH) 3P				
		< SWITCH >				
S901	1-771-876-11	SWITCH, POWER (IMPEDANCE SELECTOR)				
**********						
	A-4733-467-A	A-CLASS BOARD, COMPLETE				(DB790: AEP, UK, AUS)
	A-4733-513-A	A-CLASS BOARD, COMPLETE (DA1000ES)				
	A-4733-539-A	A-CLASS BOARD, COMPLETE				(DB790: SP, MY, TW, KR, CH)
		**********				
		< CAPACITOR >				
C2001	1-137-505-11	FILM	220PF	5%	100V	
C2002	1-128-551-11	ELECT	22uF	20%	63V	(DA1000ES)
C2002	1-128-869-11	ELECT	22uF	20%	63V	(DB790: SP, MY, TW, KR, CH)
C2002	1-135-768-11	ELECT	22uF		63V	(DB790: AEP, UK, AUS)
C2004	1-126-934-11	ELECT	220uF	20%	16V	(DA1000ES)
C2004	1-127-719-11	ELECT	220uF	20%	16V	(DB790: SP, MY, TW, KR, CH)
C2004	1-135-710-11	ELECT	220uF		16V	(DB790: AEP, UK, AUS)
C2005	1-126-940-11	ELECT	330uF	20%	25V	(DA1000ES)
C2005	1-128-846-11	ELECT	330uF	20%	25V	(DB790: SP, MY, TW, KR, CH)
C2005	1-135-683-11	ELECT	330uF		25V	(DB790: AEP, UK, AUS)
C2006	1-102-230-00	CERAMIC	4PF	0.25PF	500V	
C2007	1-102-233-00	CERAMIC	33PF	10%	500V	
C2008	1-137-383-11	MYLAR	220PF	5%	100V	
C2009	1-137-389-11	MYLAR	0.0022uF	5%	100V	
C2010	1-137-389-11	MYLAR	0.0022uF	5%	100V	
C2101	1-137-505-11	FILM	220PF	5%	100V	
C2102	1-128-551-11	ELECT	22uF	20%	63V	(DA1000ES)
C2102	1-128-869-11	ELECT	22uF	20%	63V	(DB790: SP, MY, TW, KR, CH)
C2102	1-135-768-11	ELECT	22uF		63V	(DB790: AEP, UK, AUS)
C2104	1-126-934-11	ELECT	220uF	20%	16V	(DA1000ES)
C2104	1-127-719-11	ELECT	220uF	20%	16V	(DB790: SP, MY, TW, KR, CH)
C2104	1-135-710-11	ELECT	220uF		16V	(DB790: AEP, UK, AUS)
C2105	1-126-940-11	ELECT	330uF	20%	25V	(DA1000ES)
C2105	1-128-846-11	ELECT	330uF	20%	25V	(DB790: SP, MY, TW, KR, CH)
C2105	1-135-683-11	ELECT	330uF		25V	(DB790: AEP, UK, AUS)
C2106	1-102-230-00	CERAMIC	4PF	0.25PF	500V	
C2107	1-102-233-00	CERAMIC	33PF	10%	500V	
C2108	1-137-383-11	MYLAR	220PF	5%	100V	
C2109	1-137-389-11	MYLAR	0.0022uF	5%	100V	
C2110	1-137-389-11	MYLAR	0.0022uF	5%	100V	
C2201	1-137-505-11	FILM	220PF	5%	100V	
C2202	1-128-551-11	ELECT	22uF	20%	63V	(DA1000ES)
C2202	1-128-869-11	ELECT	22uF	20%	63V	(DB790: SP, MY, TW, KR, CH)
C2202	1-135-768-11	ELECT	22uF		63V	(DB790: AEP, UK, AUS)
C2204	1-126-934-11	ELECT	220uF	20%	16V	(DA1000ES)
C2204	1-127-719-11	ELECT	220uF	20%	16V	(DB790: SP, MY, TW, KR, CH)
C2204	1-135-710-11	ELECT	220uF		16V	(DB790: AEP, UK, AUS)
C2205	1-126-940-11	ELECT	330uF	20%	25V	(DA1000ES)
C2205	1-128-846-11	ELECT	330uF	20%	25V	(DB790: SP, MY, TW, KR, CH)
C2205	1-135-683-11	ELECT	330uF		25V	(DB790: AEP, UK, AUS)
C2206	1-102-230-00	CERAMIC	4PF	0.25PF	500V	
C2207	1-102-233-00	CERAMIC	33PF	10%	500V	
C2208	1-137-383-11	MYLAR	220PF	5%	100V	
C2209	1-137-389-11	MYLAR	0.0022uF	5%	100V	
C2210	1-137-389-11	MYLAR	0.0022uF	5%	100V	
C2301	1-137-505-11	FILM	220PF	5%	100V	

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Ref. No.	Part No.	Description				Remark
C2302	1-128-551-11	ELECT	22uF	20%	63V	(DA1000ES)
C2302	1-128-869-11	ELECT	22uF	20%	63V	(DB790: SP, MY, TW, KR, CH)
C2302	1-135-768-11	ELECT	22uF		63V	(DB790: AEP, UK, AUS)
C2304	1-126-934-11	ELECT	220uF	20%	16V	(DA1000ES)
C2304	1-127-719-11	ELECT	220uF	20%	16V	(DB790: SP, MY, TW, KR, CH)
C2304	1-135-710-11	ELECT	220uF		16V	(DB790: AEP, UK, AUS)
C2305	1-126-940-11	ELECT	330uF	20%	25V	(DA1000ES)
C2305	1-128-846-11	ELECT	330uF	20%	25V	(DB790: SP, MY, TW, KR, CH)
C2305	1-135-683-11	ELECT	330uF		25V	(DB790: AEP, UK, AUS)
C2306	1-102-230-00	CERAMIC	4PF	0.25PF	500V	
C2307	1-102-233-00	CERAMIC	33PF	10%	500V	
C2308	1-137-383-11	MYLAR	220PF	5%	100V	
C2309	1-137-389-11	MYLAR	0.0022uF	5%	100V	
C2310	1-137-389-11	MYLAR	0.0022uF	5%	100V	
C2401	1-137-505-11	FILM	220PF	5%	100V	
C2402	1-128-551-11	ELECT	22uF	20%	63V	(DA1000ES)
C2402	1-128-869-11	ELECT	22uF	20%	63V	(DB790: SP, MY, TW, KR, CH)
C2402	1-135-768-11	ELECT	22uF		63V	(DB790: AEP, UK, AUS)
C2404	1-126-934-11	ELECT	220uF	20%	16V	(DA1000ES)
C2404	1-127-719-11	ELECT	220uF	20%	16V	(DB790: SP, MY, TW, KR, CH)
C2404	1-135-710-11	ELECT	220uF		16V	(DB790: AEP, UK, AUS)
C2405	1-126-940-11	ELECT	330uF	20%	25V	(DA1000ES)
C2405	1-128-846-11	ELECT	330uF	20%	25V	(DB790: SP, MY, TW, KR, CH)
C2405	1-135-683-11	ELECT	330uF		25V	(DB790: AEP, UK, AUS)
C2406	1-102-230-00	CERAMIC	4PF	0.25PF	500V	
C2407	1-102-233-00	CERAMIC	33PF	10%	500V	
C2408	1-137-383-11	MYLAR	220PF	5%	100V	
C2409	1-137-389-11	MYLAR	0.0022uF	5%	100V	
C2410	1-137-389-11	MYLAR	0.0022uF	5%	100V	
C2501	1-137-505-11	FILM	220PF	5%	100V	
C2502	1-128-551-11	ELECT	22uF	20%	63V	(DA1000ES)
C2502	1-128-869-11	ELECT	22uF	20%	63V	(DB790: SP, MY, TW, KR, CH)
C2502	1-135-768-11	ELECT	22uF		63V	(DB790: AEP, UK, AUS)
C2504	1-126-934-11	ELECT	220uF	20%	16V	(DA1000ES)
C2504	1-127-719-11	ELECT	220uF	20%	16V	(DB790: SP, MY, TW, KR, CH)
C2504	1-135-710-11	ELECT	220uF		16V	(DB790: AEP, UK, AUS)
C2505	1-126-940-11	ELECT	330uF	20%	25V	(DA1000ES)
C2505	1-128-846-11	ELECT	330uF	20%	25V	(DB790: SP, MY, TW, KR, CH)
C2505	1-135-683-11	ELECT	330uF		25V	(DB790: AEP, UK, AUS)
C2506	1-102-230-00	CERAMIC	4PF	0.25PF	500V	
C2507	1-102-233-00	CERAMIC	33PF	10%	500V	
C2508	1-137-383-11	MYLAR	220PF	5%	100V	
C2509	1-137-389-11	MYLAR	0.0022uF	5%	100V	
C2510	1-137-389-11	MYLAR	0.0022uF	5%	100V	
C2601	1-128-562-11	ELECT	47uF	20%	100V	(DA1000ES)
C2601	1-135-729-51	ELECT	47uF		100V	(DB790)
C2602	1-128-562-11	ELECT	47uF	20%	100V	(DA1000ES)
C2602	1-135-729-51	ELECT	47uF		100V	(DB790)
C2603	1-128-581-11	ELECT	4.7uF	20%	100V	(DA1000ES)
C2603	1-128-881-11	ELECT	4.7uF	20%	100V	(DB790: SP, MY, TW, KR, CH)
C2603	1-135-723-11	ELECT	4.7uF		100V	(DB790: AEP, UK, AUS)
C2605	1-128-560-11	ELECT	22uF	20%	100V	(DA1000ES)
C2605	1-128-883-11	ELECT	22uF	20%	100V	(DB790: SP, MY, TW, KR, CH)
C2605	1-135-727-11	ELECT	22uF		100V	(DB790: AEP, UK, AUS)
C2606	1-128-560-11	ELECT	22uF	20%	100V	(DA1000ES)
C2606	1-128-883-11	ELECT	22uF	20%	100V	(DB790: SP, MY, TW, KR, CH)
C2606	1-135-727-11	ELECT	22uF		100V	(DB790: AEP, UK, AUS)

< CONNECTOR >

CN2001	1-770-412-11	CONNECTOR, BOARD TO BOARD 6P
CN2002	1-770-412-11	CONNECTOR, BOARD TO BOARD 6P
CN2003	1-778-226-21	CONNECTOR, BOARD TO BOARD 6P
CN2004	1-778-226-21	CONNECTOR, BOARD TO BOARD 6P
CN2005	1-770-010-21	CONNECTOR, BOARD TO BOARD 4P
CN2101	1-770-407-11	CONNECTOR, BOARD TO BOARD 12P
CN2201	1-770-412-11	CONNECTOR, BOARD TO BOARD 6P
CN2301	1-770-406-11	CONNECTOR, BOARD TO BOARD 10P
CN2401	1-770-407-11	CONNECTOR, BOARD TO BOARD 12P

< DIODE >

D2001	8-719-109-89	DIODE RD5.6ESB2
D2101	8-719-109-89	DIODE RD5.6ESB2
D2201	8-719-109-89	DIODE RD5.6ESB2
D2301	8-719-109-89	DIODE RD5.6ESB2
D2401	8-719-109-89	DIODE RD5.6ESB2
D2501	8-719-109-89	DIODE RD5.6ESB2
D2601	8-719-947-84	DIODE MTZJ-T-72-24D
D2603	8-719-991-33	DIODE 1SS133T-77
D2604	8-719-991-33	DIODE 1SS133T-77

< TRANSISTOR >

Q2001	8-729-045-15	TRANSISTOR 2SC5169-FG

A-CLASS

Ref. No.	Part No.	Description			Remark
Q2003	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q2004	8-729-199-22	TRANSISTOR	2SA992-FA		
Q2005	8-729-021-74	TRANSISTOR	2SA949-OY		
Q2006	8-729-021-73	TRANSISTOR	2SC2229-OY		
Q2101	8-729-045-15	TRANSISTOR	2SC5169-FG		
Q2103	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q2104	8-729-199-22	TRANSISTOR	2SA992-FA		
Q2105	8-729-021-74	TRANSISTOR	2SA949-OY		
Q2106	8-729-021-73	TRANSISTOR	2SC2229-OY		
Q2201	8-729-045-15	TRANSISTOR	2SC5169-FG		
Q2203	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q2204	8-729-199-22	TRANSISTOR	2SA992-FA		
Q2205	8-729-021-74	TRANSISTOR	2SA949-OY		
Q2206	8-729-021-73	TRANSISTOR	2SC2229-OY		
Q2301	8-729-045-15	TRANSISTOR	2SC5169-FG		
Q2303	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q2304	8-729-199-22	TRANSISTOR	2SA992-FA		
Q2305	8-729-021-74	TRANSISTOR	2SA949-OY		
Q2306	8-729-021-73	TRANSISTOR	2SC2229-OY		
Q2401	8-729-045-15	TRANSISTOR	2SC5169-FG		
Q2403	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q2404	8-729-199-22	TRANSISTOR	2SA992-FA		
Q2405	8-729-021-74	TRANSISTOR	2SA949-OY		
Q2406	8-729-021-73	TRANSISTOR	2SC2229-OY		
Q2501	8-729-045-15	TRANSISTOR	2SC5169-FG		
Q2503	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q2504	8-729-199-22	TRANSISTOR	2SA992-FA		
Q2505	8-729-021-74	TRANSISTOR	2SA949-OY		
Q2506	8-729-021-73	TRANSISTOR	2SC2229-OY		
Q2601	8-729-021-82	TRANSISTOR	2SD2396K		
Q2602	8-729-024-93	TRANSISTOR	2SB1565E		
Q2603	8-729-140-84	TRANSISTOR	2SC1841-PAFAEA		
		< RESISTOR >			
R2001	1-249-417-11	CARBON	1K	5% 1/4W	
R2002	1-249-438-11	CARBON	56K	5% 1/4W	
R2003	1-249-411-11	CARBON	330	5% 1/4W	
R2004	1-249-418-11	CARBON	1.2K	5% 1/4W	
R2005	1-249-425-11	CARBON	4.7K	5% 1/4W	
R2006	1-249-418-11	CARBON	1.2K	5% 1/4W	
R2007	1-249-414-11	CARBON	560	5% 1/4W	
R2008	1-247-843-11	CARBON	3.3K	5% 1/4W	
R2009	1-249-560-31	CARBON	2.2K	5% 1/4W	
R2010	1-249-594-31	CARBON	56K	5% 1/4W	
R2011	1-249-441-11	CARBON	100K	5% 1/4W	
R2012	1-249-441-11	CARBON	100K	5% 1/4W	
⚠R2013	1-249-413-11	CARBON	470	5% 1/4W	F
⚠R2014	1-249-406-11	CARBON	120	5% 1/4W	F
⚠R2015	1-249-406-11	CARBON	120	5% 1/4W	F
R2016	1-249-435-11	CARBON	33K	5% 1/4W	
R2019	1-249-407-11	CARBON	150	5% 1/4W	
R2101	1-249-417-11	CARBON	1K	5% 1/4W	
R2102	1-249-438-11	CARBON	56K	5% 1/4W	
R2103	1-249-411-11	CARBON	330	5% 1/4W	
R2104	1-249-418-11	CARBON	1.2K	5% 1/4W	
R2105	1-249-425-11	CARBON	4.7K	5% 1/4W	
R2106	1-249-418-11	CARBON	1.2K	5% 1/4W	
R2107	1-249-414-11	CARBON	560	5% 1/4W	
R2108	1-247-843-11	CARBON	3.3K	5% 1/4W	
R2109	1-249-560-31	CARBON	2.2K	5% 1/4W	
R2110	1-249-594-31	CARBON	56K	5% 1/4W	
R2111	1-249-441-11	CARBON	100K	5% 1/4W	
R2112	1-249-441-11	CARBON	100K	5% 1/4W	
⚠R2113	1-249-413-11	CARBON	470	5% 1/4W	F
⚠R2114	1-249-406-11	CARBON	120	5% 1/4W	F
⚠R2115	1-249-406-11	CARBON	120	5% 1/4W	F
R2116	1-249-435-11	CARBON	33K	5% 1/4W	
R2119	1-249-407-11	CARBON	150	5% 1/4W	
R2201	1-249-417-11	CARBON	1K	5% 1/4W	
R2202	1-249-438-11	CARBON	56K	5% 1/4W	
R2203	1-249-411-11	CARBON	330	5% 1/4W	
R2204	1-249-418-11	CARBON	1.2K	5% 1/4W	
R2205	1-249-425-11	CARBON	4.7K	5% 1/4W	
R2206	1-249-418-11	CARBON	1.2K	5% 1/4W	
R2207	1-249-414-11	CARBON	560	5% 1/4W	
R2208	1-247-843-11	CARBON	3.3K	5% 1/4W	
R2209	1-249-560-31	CARBON	2.2K	5% 1/4W	
R2210	1-249-594-31	CARBON	56K	5% 1/4W	
R2211	1-249-441-11	CARBON	100K	5% 1/4W	
R2212	1-249-441-11	CARBON	100K	5% 1/4W	
⚠R2213	1-249-413-11	CARBON	470	5% 1/4W	F
⚠R2214	1-249-406-11	CARBON	120	5% 1/4W	F
⚠R2215	1-249-406-11	CARBON	120	5% 1/4W	F
R2216	1-249-435-11	CARBON	33K	5% 1/4W	
R2219	1-249-407-11	CARBON	150	5% 1/4W	
R2301	1-249-417-11	CARBON	1K	5% 1/4W	
R2302	1-249-438-11	CARBON	56K	5% 1/4W	
R2303	1-249-411-11	CARBON	330	5% 1/4W	
R2304	1-249-418-11	CARBON	1.2K	5% 1/4W	
R2305	1-249-425-11	CARBON	4.7K	5% 1/4W	
R2306	1-249-418-11	CARBON	1.2K	5% 1/4W	
R2307	1-249-414-11	CARBON	560	5% 1/4W	
R2308	1-247-843-11	CARBON	3.3K	5% 1/4W	
R2309	1-249-560-31	CARBON	2.2K	5% 1/4W	
R2310	1-249-594-31	CARBON	56K	5% 1/4W	
R2311	1-249-441-11	CARBON	100K	5% 1/4W	
R2312	1-249-441-11	CARBON	100K	5% 1/4W	
⚠R2313	1-249-413-11	CARBON	470	5% 1/4W	F
⚠R2314	1-249-406-11	CARBON	120	5% 1/4W	F
⚠R2315	1-249-406-11	CARBON	120	5% 1/4W	F
R2316	1-249-435-11	CARBON	33K	5% 1/4W	
R2319	1-249-407-11	CARBON	150	5% 1/4W	
R2401	1-249-417-11	CARBON	1K	5% 1/4W	
R2402	1-249-438-11	CARBON	56K	5% 1/4W	
R2403	1-249-411-11	CARBON	330	5% 1/4W	
R2404	1-249-418-11	CARBON	1.2K	5% 1/4W	
R2405	1-249-425-11	CARBON	4.7K	5% 1/4W	
R2406	1-249-418-11	CARBON	1.2K	5% 1/4W	
R2407	1-249-414-11	CARBON	560	5% 1/4W	
R2408	1-247-843-11	CARBON	3.3K	5% 1/4W	
R2409	1-249-560-31	CARBON	2.2K	5% 1/4W	
R2410	1-249-594-31	CARBON	56K	5% 1/4W	
R2411	1-249-441-11	CARBON	100K	5% 1/4W	
R2412	1-249-441-11	CARBON	100K	5% 1/4W	
⚠R2413	1-249-413-11	CARBON	470	5% 1/4W	F

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

STR-DA1000ES/DB790
Ver 1.1

A-CLASS **AC** **AU-IN**

Ref. No.	Part No.	Description			Remark
⚠R2414	1-249-406-11	CARBON	120	5%	1/4W F
⚠R2415	1-249-406-11	CARBON	120	5%	1/4W F
R2416	1-249-435-11	CARBON	33K	5%	1/4W
R2419	1-249-407-11	CARBON	150	5%	1/4W
R2501	1-249-417-11	CARBON	1K	5%	1/4W
R2502	1-249-438-11	CARBON	56K	5%	1/4W
R2503	1-249-411-11	CARBON	330	5%	1/4W
R2504	1-249-418-11	CARBON	1.2K	5%	1/4W
R2505	1-249-425-11	CARBON	4.7K	5%	1/4W
R2506	1-249-418-11	CARBON	1.2K	5%	1/4W
R2507	1-249-414-11	CARBON	560	5%	1/4W
R2508	1-247-843-11	CARBON	3.3K	5%	1/4W
R2509	1-249-560-31	CARBON	2.2K	5%	1/4W
R2510	1-249-594-31	CARBON	56K	5%	1/4W
R2511	1-249-441-11	CARBON	100K	5%	1/4W
R2512	1-249-441-11	CARBON	100K	5%	1/4W
⚠R2513	1-249-413-11	CARBON	470	5%	1/4W F
⚠R2514	1-249-406-11	CARBON	120	5%	1/4W F
⚠R2515	1-249-406-11	CARBON	120	5%	1/4W F
R2516	1-249-435-11	CARBON	33K	5%	1/4W
R2519	1-249-407-11	CARBON	150	5%	1/4W
⚠R2601	1-215-873-81	METAL OXIDE	4.7K	5%	1W F
⚠R2602	1-260-107-11	CARBON	4.7K	5%	1/2W F
⚠R2603	1-249-381-11	CARBON	1	5%	1/4W F
⚠R2604	1-249-381-11	CARBON	1	5%	1/4W F
R2605	1-249-413-11	CARBON	470	5%	1/4W
R2606	1-249-413-11	CARBON	470	5%	1/4W
R2607	1-247-883-00	CARBON	150K	5%	1/4W
R2610	1-249-429-11	CARBON	10K	5%	1/4W
**********					
	1-688-632-11	AC BOARD			
		*********			
		< CAPACITOR >			
⚠C3	1-117-703-11	CERAMIC	0.0047uF	99%	250V (DB790)
C52	1-136-287-11	FILM	0.0047uF	5%	100V
C53	1-137-465-11	MYLAR	0.056uF	5%	100V
C54	1-126-768-11	ELECT	2200uF	20%	16V
C55	1-126-960-11	ELECT	1uF	20%	50V
C56	1-128-817-11	CERAMIC	470PF	5%	50V
		< CONNECTOR >			
* CN1	1-565-792-11	PIN, CONNECTOR (3.96mm PITCH) 2P			
CN2	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P			
CN51	1-778-227-41	CONNECTOR, BOARD TO BOARD 6P			
		< JACK >			
⚠CNJ1	1-785-285-11	OUTLET, AC (1P) (AC OUTLET)			(DB790: SP, MY)
⚠CNJ1	1-785-834-11	OUTLET (1P) (AC OUTLET)			(DA1000ES/DB790: TW)
		< DIODE >			
D51	8-719-991-33	DIODE 1SS133T-77			
D52	8-719-991-33	DIODE 1SS133T-77			
D53	8-719-991-33	DIODE 1SS133T-77			
D54	8-719-210-21	DIODE 11EQS04			
D55	8-719-210-21	DIODE 11EQS04			
D56	8-719-210-21	DIODE 11EQS04			
D57	8-719-210-21	DIODE 11EQS04			
		< TRANSISTOR >			
Q51	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q52	8-729-201-53	TRANSISTOR	2SA1015-GR		
Q53	8-729-116-02	TRANSISTOR	BA1A4M-TP		
Q54	8-729-119-79	TRANSISTOR	2SC2785-FEK		
Q55	8-729-116-02	TRANSISTOR	BA1A4M-TP		
		< RESISTOR >			
⚠R1	1-219-237-11	SOLID	3.3M	20%	1/2W (DA1000ES)
R51	1-249-421-11	CARBON	2.2K	5%	1/4W
R52	1-249-429-11	CARBON	10K	5%	1/4W
R53	1-249-415-11	CARBON	680	5%	1/4W
R54	1-249-437-11	CARBON	47K	5%	1/4W
R55	1-249-435-11	CARBON	33K	5%	1/4W
R56	1-249-429-11	CARBON	10K	5%	1/4W
R57	1-249-429-11	CARBON	10K	5%	1/4W
R59	1-249-441-11	CARBON	100K	5%	1/4W
R60	1-249-429-11	CARBON	10K	5%	1/4W
R61	1-249-435-11	CARBON	33K	5%	1/4W
		< RELAY >			
⚠RY1	1-755-298-11	RELAY			
		< TRANSFORMER >			
⚠T2	1-435-281-11	TRANSFORMER, POWER (DA1000ES)			
⚠T2	1-435-282-11	TRANSFORMER, POWER (DB790: AEP, UK, SP, MY, KR, AUS, CH)			
⚠T2	1-435-563-11	TRANSFORMER, POWER (DB790: TW)			
**********					
	A-4733-528-A	AU-IN BOARD, COMPLETE (DA1000ES)			
	A-4733-548-A	AU-IN BOARD, COMPLETE (DB790: SP, MY, TW, KR, CH)			
	A-4733-570-A	AU-IN BOARD, COMPLETE (DB790: AEP, UK, AUS)			
		**********			
		< CAPACITOR >			
C107	1-128-825-11	CERAMIC	2200PF	5%	50V
C110	1-126-933-11	ELECT	100uF	20%	16V (DA1000ES)
C110	1-127-718-11	ELECT	100uF	20%	16V (DB790: SP, MY, TW, KR, CH)
C110	1-135-681-11	ELECT	100uF		25V (DB790: AEP, UK, AUS)
C111	1-126-933-11	ELECT	100uF	20%	16V (DA1000ES)
C111	1-127-718-11	ELECT	100uF	20%	16V (DB790: SP, MY, TW, KR, CH)
C111	1-135-681-11	ELECT	100uF		25V (DB790: AEP, UK, AUS)
C112	1-126-933-11	ELECT	100uF	20%	16V (DA1000ES)
C112	1-127-718-11	ELECT	100uF	20%	16V (DB790: SP, MY, TW, KR, CH)

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

AU-IN

Ref. No.	Part No.	Description				Remark
C112	1-135-681-11	ELECT	100uF		25V	(DB790: AEP, UK, AUS)
C113	1-126-933-11	ELECT	100uF	20%	16V	(DA1000ES)
C113	1-127-718-11	ELECT	100uF	20%	16V	(DB790: SP, MY, TW, KR, CH)
C113	1-135-681-11	ELECT	100uF		25V	(DB790: AEP, UK, AUS)
C114	1-126-933-11	ELECT	100uF	20%	16V	(DA1000ES)
C114	1-127-718-11	ELECT	100uF	20%	16V	(DB790: SP, MY, TW, KR, CH)
C114	1-135-681-11	ELECT	100uF		25V	(DB790: AEP, UK, AUS)
C115	1-126-933-11	ELECT	100uF	20%	16V	(DA1000ES)
C115	1-127-718-11	ELECT	100uF	20%	16V	(DB790: SP, MY, TW, KR, CH)
C115	1-135-681-11	ELECT	100uF		25V	(DB790: AEP, UK, AUS)
C120	1-127-876-11	CERAMIC	0.01uF	10%	50V	
C121	1-127-880-11	CERAMIC	0.022uF	10%	50V	
C122	1-127-880-11	CERAMIC	0.022uF	10%	50V	
C123	1-128-809-11	CERAMIC	100PF	5%	50V	
C131	1-128-809-11	CERAMIC	100PF	5%	50V	(DB790)
C132	1-128-809-11	CERAMIC	100PF	5%	50V	(DB790)
C133	1-128-813-11	CERAMIC	220PF	5%	50V	(DB790)
C134	1-128-813-11	CERAMIC	220PF	5%	50V	(DB790)
C135	1-119-821-11	ELECT	2.2uF	20%	50V	(DB790)
C135	1-126-961-11	ELECT	2.2uF	20%	50V	(DA1000ES)
C136	1-119-821-11	ELECT	2.2uF	20%	50V	(DB790)
C136	1-126-961-11	ELECT	2.2uF	20%	50V	(DA1000ES)
C137	1-128-809-11	CERAMIC	100PF	5%	50V	
C138	1-128-809-11	CERAMIC	100PF	5%	50V	
C139	1-126-934-11	ELECT	220uF	20%	16V	(DA1000ES)
C139	1-128-832-11	ELECT	220uF	20%	10V	(DB790)
C140	1-126-934-11	ELECT	220uF	20%	16V	(DA1000ES)
C140	1-128-832-11	ELECT	220uF	20%	10V	(DB790)
C141	1-125-896-11	MYLAR	0.0091uF	5%	50V	
C142	1-125-896-11	MYLAR	0.0091uF	5%	50V	
C143	1-136-159-00	MYLAR	0.033uF	5%	50V	
C144	1-136-159-00	MYLAR	0.033uF	5%	50V	
C145	1-119-821-11	ELECT	2.2uF	20%	50V	(DB790)
C145	1-126-961-11	ELECT	2.2uF	20%	50V	(DA1000ES)
C146	1-119-821-11	ELECT	2.2uF	20%	50V	(DB790)
C146	1-126-961-11	ELECT	2.2uF	20%	50V	(DA1000ES)
C171	1-126-933-11	ELECT	100uF	20%	16V	(DA1000ES)
C171	1-127-718-11	ELECT	100uF	20%	16V	(DB790: SP, MY, TW, KR, CH)
C171	1-135-681-11	ELECT	100uF		25V	(DB790: AEP, UK, AUS)
C174	1-127-876-11	CERAMIC	0.01uF	10%	50V	
C175	1-128-809-11	CERAMIC	100PF	5%	50V	
C181	1-126-933-11	ELECT	100uF	20%	16V	(DA1000ES)
C181	1-127-718-11	ELECT	100uF	20%	16V	(DB790: SP, MY, TW, KR, CH)
C181	1-135-681-11	ELECT	100uF		25V	(DB790: AEP, UK, AUS)
		< CONNECTOR >				
CN102	1-764-867-41	CONNECTOR, BOARD TO BOARD 20P				
CN103	1-764-867-41	CONNECTOR, BOARD TO BOARD 20P				
CN104	1-770-011-41	CONNECTOR, BOARD TO BOARD 4P				
		< IC >				
IC101	6-703-975-01	IC TC9274N-017				
IC110	8-759-167-88	IC NJM4565D				
IC111	8-759-167-88	IC NJM4565D				
IC112	8-759-167-88	IC NJM4565D				
IC131	8-759-636-74	IC M5218AP-22				
IC171	8-759-167-88	IC NJM4565D				
IC172	8-759-167-88	IC NJM4565D				
IC173	8-759-590-10	IC TC9273F-012 (EL)				
		< JACK >				
J101	1-793-345-11	JACK, PIN 6P (ANALOG MULTI CH IN FRONT, SURR, CENTER, SUB WOOFER)				
J131	1-695-188-31	JACK, PIN 4P (ANALOG MD/TAPE OUT, CD/SACD IN)				
J151	1-695-188-31	JACK, PIN 4P (ANALOG PHONO IN, MD/TAPE IN)				
		< RESISTOR >				
R101	1-249-417-11	CARBON	1K	5%	1/4W	
R102	1-249-417-11	CARBON	1K	5%	1/4W	
R103	1-249-417-11	CARBON	1K	5%	1/4W	
R104	1-249-417-11	CARBON	1K	5%	1/4W	
R105	1-249-417-11	CARBON	1K	5%	1/4W	
R106	1-249-417-11	CARBON	1K	5%	1/4W	
R110	1-249-437-11	CARBON	47K	5%	1/4W	
R111	1-249-437-11	CARBON	47K	5%	1/4W	
R112	1-249-437-11	CARBON	47K	5%	1/4W	
R113	1-249-437-11	CARBON	47K	5%	1/4W	
R114	1-249-437-11	CARBON	47K	5%	1/4W	
R115	1-249-437-11	CARBON	47K	5%	1/4W	
R119	1-249-417-11	CARBON	1K	5%	1/4W	
R131	1-249-421-11	CARBON	2.2K	5%	1/4W	(DB790)
R132	1-249-421-11	CARBON	2.2K	5%	1/4W	(DB790)
R133	1-249-441-11	CARBON	100K	5%	1/4W	
R134	1-249-441-11	CARBON	100K	5%	1/4W	
R135	1-249-408-11	CARBON	180	5%	1/4W	

AU-IN COMP-V

Ref. No.	Part No.	Description			Remark
R136	1-249-408-11	CARBON	180	5%	1/4W
R137	1-249-428-11	CARBON	8.2K	5%	1/4W
R138	1-249-428-11	CARBON	8.2K	5%	1/4W
R139	1-249-441-11	CARBON	100K	5%	1/4W
R140	1-249-441-11	CARBON	100K	5%	1/4W
R141	1-247-807-31	CARBON	100	5%	1/4W
R142	1-247-807-31	CARBON	100	5%	1/4W
R143	1-249-441-11	CARBON	100K	5%	1/4W
R144	1-249-441-11	CARBON	100K	5%	1/4W
R145	1-249-413-11	CARBON	470	5%	1/4W
R146	1-249-413-11	CARBON	470	5%	1/4W
R147	1-249-441-11	CARBON	100K	5%	1/4W
R148	1-249-441-11	CARBON	100K	5%	1/4W
R151	1-249-417-11	CARBON	1K	5%	1/4W
R152	1-249-417-11	CARBON	1K	5%	1/4W
R153	1-249-421-11	CARBON	2.2K	5%	1/4W
R154	1-249-421-11	CARBON	2.2K	5%	1/4W
R155	1-249-417-11	CARBON	1K	5%	1/4W
R156	1-249-417-11	CARBON	1K	5%	1/4W
R171	1-249-429-11	CARBON	10K	5%	1/4W
R172	1-249-431-11	CARBON	15K	5%	1/4W
R173	1-249-425-11	CARBON	4.7K	5%	1/4W
R174	1-249-431-11	CARBON	15K	5%	1/4W
R175	1-249-429-11	CARBON	10K	5%	1/4W
R176	1-249-429-11	CARBON	10K	5%	1/4W
R177	1-249-429-11	CARBON	10K	5%	1/4W
R178	1-249-417-11	CARBON	1K	5%	1/4W
R181	1-249-429-11	CARBON	10K	5%	1/4W
R182	1-249-431-11	CARBON	15K	5%	1/4W
R183	1-249-425-11	CARBON	4.7K	5%	1/4W
R184	1-249-431-11	CARBON	15K	5%	1/4W
R185	1-249-429-11	CARBON	10K	5%	1/4W
R186	1-249-429-11	CARBON	10K	5%	1/4W
R187	1-249-429-11	CARBON	10K	5%	1/4W
⚠R840	1-249-399-11	CARBON	33	5%	1/4W F
⚠R845	1-249-399-11	CARBON	33	5%	1/4W F

****

A-4733-521-A COMP-V BOARD, COMPLETE (DA1000ES)
A-4733-546-A COMP-V BOARD, COMPLETE (DB790)
****

< CAPACITOR >

C351	1-127-868-11	CERAMIC	2200PF	10%	50V
C360	1-128-818-11	CERAMIC	560PF	5%	50V (DA1000ES)
C361	1-128-816-11	CERAMIC	390PF	5%	50V (DA1000ES)
C362	1-126-947-11	ELECT	47uF	20%	35V (DA1000ES)
C363	1-128-801-11	CERAMIC	22PF	5%	50V (DA1000ES)
C364	1-162-201-31	CERAMIC	12PF	5%	50V (DA1000ES)
C365	1-126-947-11	ELECT	47uF	20%	35V (DA1000ES)
C366	1-127-888-11	CERAMIC	0.1uF	10%	50V (DA1000ES)
C367	1-127-876-11	CERAMIC	0.01uF	10%	50V (DA1000ES)
C368	1-126-963-11	ELECT	4.7uF	20%	50V (DA1000ES)
C369	1-130-495-00	MYLAR	0.1uF	5%	50V (DA1000ES)
C370	1-162-201-31	CERAMIC	12PF	5%	50V (DA1000ES)
C371	1-128-801-11	CERAMIC	22PF	5%	50V (DA1000ES)
C372	1-162-201-31	CERAMIC	12PF	5%	50V (DA1000ES)
C373	1-128-801-11	CERAMIC	22PF	5%	50V (DA1000ES)
C374	1-126-935-11	ELECT	470uF	20%	16V (DA1000ES)
C375	1-126-965-11	ELECT	22uF	20%	50V (DA1000ES)
C376	1-126-947-11	ELECT	47uF	20%	35V (DA1000ES)
C377	1-127-888-11	CERAMIC	0.1uF	10%	50V (DA1000ES)
C378	1-127-888-11	CERAMIC	0.1uF	10%	50V (DA1000ES)
C379	1-128-812-11	CERAMIC	180PF	5%	50V (DA1000ES)
C380	1-127-876-11	CERAMIC	0.01uF	10%	50V (DA1000ES)
C381	1-127-876-11	CERAMIC	0.01uF	10%	50V (DA1000ES)
C382	1-127-888-11	CERAMIC	0.1uF	10%	50V (DA1000ES)
C383	1-104-665-11	ELECT	100uF	20%	25V (DA1000ES)
C384	1-127-888-11	CERAMIC	0.1uF	10%	50V (DA1000ES)
C385	1-127-876-11	CERAMIC	0.01uF	10%	50V (DA1000ES)
C386	1-127-876-11	CERAMIC	0.01uF	10%	50V (DA1000ES)
C387	1-126-959-11	ELECT	0.47uF	20%	50V (DA1000ES)
C388	1-127-876-11	CERAMIC	0.01uF	10%	50V (DA1000ES)
C389	1-127-888-11	CERAMIC	0.1uF	10%	50V (DA1000ES)
C390	1-104-665-11	ELECT	100uF	20%	25V (DA1000ES)
C391	1-126-947-11	ELECT	47uF	20%	35V (DA1000ES)
C392	1-127-888-11	CERAMIC	0.1uF	10%	50V (DA1000ES)
C393	1-162-203-31	CERAMIC	15PF	5%	50V (DA1000ES)
C394	1-126-961-11	ELECT	2.2uF	20%	50V (DA1000ES)
C395	1-127-876-11	CERAMIC	0.01uF	10%	50V (DA1000ES)
C396	1-126-963-11	ELECT	4.7uF	20%	50V (DA1000ES)
C397	1-127-876-11	CERAMIC	0.01uF	10%	50V (DA1000ES)
C398	1-128-806-11	CERAMIC	56PF	5%	50V (DA1000ES)

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

Ref. No.	Part No.	Description			Remark
C399	1-126-959-11	ELECT	0.47uF	20%	50V (DA1000ES)
		< CONNECTOR >			
CN351	1-573-843-11	CONNECTOR, BOARD TO BOARD 11P			
		< DIODE >			
D351	8-719-991-33	DIODE 1SS133T-77			
D352	8-719-991-33	DIODE 1SS133T-77			
		< FERRITE BEAD >			
FB353	1-412-911-11	FERRITE	0uH (DA1000ES)		
FB354	1-412-911-11	FERRITE	0uH (DA1000ES)		
		< IC >			
IC370	8-759-678-99	IC TC90A45F (DA1000ES)			
IC371	8-759-826-19	IC MM1093NF (DA1000ES)			
IC372	6-803-031-01	IC NJM2268D (DA1000ES)			
		< JACK >			
J351	1-817-726-11	JACK, PIN 9P (COMPOSITE VIDEO MONITOR OUT, DVD IN, TV/SAT IN)			
		< COIL >			
L370	1-410-514-11	INDUCTOR	27uH (DA1000ES)		
L371	1-410-514-11	INDUCTOR	27uH (DA1000ES)		
L372	1-414-189-31	INDUCTOR	100uH (DA1000ES)		
L373	1-414-189-31	INDUCTOR	100uH (DA1000ES)		
L374	1-410-514-11	INDUCTOR	27uH (DA1000ES)		
L375	1-410-515-11	INDUCTOR	33uH (DA1000ES)		
		< TRANSISTOR >			
Q351	8-729-119-79	TRANSISTOR	2SC2785-FEK		
Q352	8-729-119-79	TRANSISTOR	2SC2785-FEK		
Q370	8-729-119-79	TRANSISTOR	2SC2785-FEK (DA1000ES)		
Q371	8-729-119-79	TRANSISTOR	2SC2785-FEK (DA1000ES)		
Q372	8-729-119-79	TRANSISTOR	2SC2785-FEK (DA1000ES)		
		< RESISTOR >			
R357	1-249-421-11	CARBON	2.2K	5%	1/4W
R358	1-249-429-11	CARBON	10K	5%	1/4W
R359	1-249-421-11	CARBON	2.2K	5%	1/4W
R360	1-249-429-11	CARBON	10K	5%	1/4W
R361	1-249-417-11	CARBON	1K	5%	1/4W (DA1000ES)
R362	1-249-417-11	CARBON	1K	5%	1/4W (DA1000ES)
R371	1-249-418-11	CARBON	1.2K	5%	1/4W (DA1000ES)
R372	1-249-411-11	CARBON	330	5%	1/4W (DA1000ES)
R373	1-249-416-11	CARBON	820	5%	1/4W (DA1000ES)
R374	1-247-903-00	CARBON	1M	5%	1/4W (DA1000ES)
R375	1-249-418-11	CARBON	1.2K	5%	1/4W (DA1000ES)
R376	1-249-414-11	CARBON	560	5%	1/4W (DA1000ES)
R377	1-249-416-11	CARBON	820	5%	1/4W (DA1000ES)
R378	1-249-416-11	CARBON	820	5%	1/4W (DA1000ES)
R379	1-249-416-11	CARBON	820	5%	1/4W (DA1000ES)
R380	1-249-430-11	CARBON	12K	5%	1/4W (DA1000ES)
R381	1-249-430-11	CARBON	12K	5%	1/4W (DA1000ES)
R382	1-249-418-11	CARBON	1.2K	5%	1/4W (DA1000ES)
R383	1-249-411-11	CARBON	330	5%	1/4W (DA1000ES)
R384	1-247-804-11	CARBON	75	5%	1/4W (DA1000ES)
R385	1-247-804-11	CARBON	75	5%	1/4W (DA1000ES)
R386	1-249-429-11	CARBON	10K	5%	1/4W (DA1000ES)
R387	1-249-429-11	CARBON	10K	5%	1/4W (DA1000ES)
R388	1-249-412-11	CARBON	390	5%	1/4W (DA1000ES)
R389	1-249-412-11	CARBON	390	5%	1/4W (DA1000ES)
R390	1-247-903-00	CARBON	1M	5%	1/4W (DA1000ES)
R391	1-249-431-11	CARBON	15K	5%	1/4W (DA1000ES)
R392	1-249-426-11	CARBON	5.6K	5%	1/4W (DA1000ES)
		< RELAY >			
RY351	1-755-184-11	RELAY			
RY352	1-755-184-11	RELAY			
RY353	1-755-184-11	RELAY			
RY354	1-755-184-11	RELAY			
		< VIBRATOR >			
X370	1-781-342-21	OSCILLATOR, CRYSTAL (3.5795MHz)			(DA1000ES)
**********					
	1-688-633-11	DC1 BOARD			
		**********			
		< CAPACITOR >			
C902	1-126-953-11	ELECT	2200uF	20%	35V (DA1000ES)
C902	1-127-732-51	ELECT	2200uF	20%	35V (DB790: SP, MY, TW, KR)
C902	1-135-781-51	ELECT	2200uF		35V (DB790: AEP, UK, AUS, CH)
C903	1-126-952-11	ELECT	1000uF	20%	35V (DA1000ES)
C903	1-127-731-51	ELECT	1000uF	20%	35V (DB790: SP, MY, TW, KR)
C903	1-135-780-51	ELECT	1000uF		35V (DB790: AEP, UK, AUS, CH)

DC1 **DC2**

Ref. No.	Part No.	Description			Remark
C904	1-126-967-11	ELECT	47uF	20%	50V
C906	1-126-967-11	ELECT	47uF	20%	50V
C907	1-126-937-11	ELECT	4700uF	20%	16V (DA1000ES)
C907	1-127-723-51	ELECT	4700uF	20%	16V (DB790: SP, MY, TW, KR)
C907	1-135-696-51	ELECT	4700uF		16V (DB790: AEP, UK, AUS, CH)
C908	1-126-767-11	ELECT	1000uF	20%	16V
C909	1-126-970-11	ELECT	330uF	20%	50V
C915	1-100-376-13	ELECT	12000uF	10%	63V (DB790)
C915	1-109-932-13	ELECT (BLOCK)	10000uF	20%	71V (DA1000ES)
C916	1-100-376-13	ELECT	12000uF	10%	63V (DB790)
C916	1-109-932-13	ELECT (BLOCK)	10000uF	20%	71V (DA1000ES)
C917	1-136-196-11	FILM	0.033uF	5%	250V (DA1000ES)
C917	1-137-350-11	MYLAR	0.015uF	5%	400V (DB790)
C918	1-136-196-11	FILM	0.033uF	5%	250V (DA1000ES)
C918	1-137-350-11	MYLAR	0.015uF	5%	400V (DB790)
C919	1-104-999-11	MYLAR	0.1uF	5%	200V (DB790)
C920	1-162-306-11	CERAMIC	0.01uF	30%	16V
C923	1-104-666-11	ELECT	220uF	20%	25V
C924	1-104-666-11	ELECT	220uF	20%	25V
C925	1-104-666-11	ELECT	220uF	20%	25V
C926	1-104-666-11	ELECT	220uF	20%	25V
		< CONNECTOR >			
CN906	1-691-768-11	PLUG (MICRO CONNECTOR) 6P			
CN907	1-691-770-11	PLUG (MICRO CONNECTOR) 8P			
CN909	1-784-922-11	PIN, CONNECTOR 5P			
CN910	1-785-101-11	PIN, CONNECTOR (3.96mm PITCH) 3P			
CN911	1-785-101-11	PIN, CONNECTOR (3.96mm PITCH) 3P			
CN912	1-778-226-21	CONNECTOR, BOARD TO BOARD 6P			
CN913	1-564-320-00	PIN, CONNECTOR (3.96mm PITCH) 2P			
		< DIODE >			
D902	8-719-983-86	DIODE MTZJ-T-72-33A			
D903	8-719-024-99	DIODE 11ES2-NTA2B			
D904	8-719-024-99	DIODE 11ES2-NTA2B			
D905	8-719-024-99	DIODE 11ES2-NTA2B			
D906	8-719-024-99	DIODE 11ES2-NTA2B			
D908	8-719-510-53	DIODE D4SB60L			
D909	8-719-024-99	DIODE 11ES2-NTA2B			
D912	8-719-024-99	DIODE 11ES2-NTA2B			
D913	8-719-024-99	DIODE 11ES2-NTA2B			
D914	8-719-505-60	DIODE S5VB60			
D915	8-719-024-99	DIODE 11ES2-NTA2B			
D916	8-719-024-99	DIODE 11ES2-NTA2B			

Ref. No.	Part No.	Description			Remark
		< GROUND TERMINAL >			
* EB901	1-537-738-21	TERMINAL, EARTH			
		< TRANSISTOR >			
Q903	8-729-041-38	TRANSISTOR	2SB1241-Q-TV2		
		< RESISTOR >			
R902	1-249-433-11	CARBON	22K	5%	1/4W
R904	1-249-429-11	CARBON	10K	5%	1/4W
⚠R910	1-249-385-11	CARBON	2.2	5%	1/4W F
⚠R911	1-216-349-81	METAL OXIDE	1	5%	1W F
⚠R912	1-216-349-81	METAL OXIDE	1	5%	1W F
⚠R913	1-249-407-11	CARBON	150	5%	1/4W F (DB790)
**********					
	A-4733-517-A	DC2 BOARD, COMPLETE (DA1000ES)			
	A-4733-543-A	DC2 BOARD, COMPLETE (DB790: SP, MY, TW, KR, CH)			
	A-4733-574-A	DC2 BOARD, COMPLETE (DB790: AEP, UK, AUS)			
		**********			
		< CAPACITOR >			
C952	1-126-947-11	ELECT	47uF	20%	35V
C953	1-136-169-00	MYLAR	0.22uF	5%	50V
C954	1-127-888-11	CERAMIC	0.1uF	10%	50V
C955	1-136-169-00	MYLAR	0.22uF	5%	50V
C956	1-126-935-11	ELECT	470uF	20%	16V
C957	1-126-918-51	ELECT	4700uF	20%	6.3V (DA1000ES)
C957	1-137-661-51	ELECT	4700uF	20%	6.3V (DB790: AEP, UK, AUS)
C957	1-137-661-91	ELECT	4700uF	20%	6.3V (DB790: SP, MY, TW, KR, CH)
C958	1-136-169-00	MYLAR	0.22uF	5%	50V
C959	1-127-888-11	CERAMIC	0.1uF	10%	50V
C960	1-136-169-00	MYLAR	0.22uF	5%	50V
C961	1-126-942-61	ELECT	1000uF	20%	25V (DA1000ES)
C961	1-127-731-51	ELECT	1000uF	20%	35V (DB790: SP, MY, TW, KR, CH)
C961	1-135-685-51	ELECT	1000uF		25V (DB790: AEP, UK, AUS)
C962	1-136-169-00	MYLAR	0.22uF	5%	50V
C963	1-126-942-61	ELECT	1000uF	20%	25V (DA1000ES)
C963	1-127-731-51	ELECT	1000uF	20%	35V (DB790: SP, MY, TW, KR, CH)
C963	1-135-685-51	ELECT	1000uF		25V (DB790: AEP, UK, AUS)
C964	1-127-888-11	CERAMIC	0.1uF	10%	50V
C965	1-127-888-11	CERAMIC	0.1uF	10%	50V (DB790)
		< CONNECTOR >			
CN951	1-778-227-41	CONNECTOR, BOARD TO BOARD 6P			

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

Ref. No.	Part No.	Description			Remark
		< IC >			
IC951	8-759-245-79	IC TA79005S			
		< TRANSISTOR >			
Q953	8-729-140-98	TRANSISTOR	2SD773-34		
Q954	8-729-029-23	TRANSISTOR	DTA114TSA-TP		
Q955	8-729-029-66	TRANSISTOR	DTC114ESA		
Q956	8-729-029-66	TRANSISTOR	DTC114ESA		
Q957	8-729-140-93	TRANSISTOR	2SB733-34		
Q958	8-729-029-66	TRANSISTOR	DTC114ESA		
Q959	8-729-140-93	TRANSISTOR	2SB733-34		
Q960	8-729-024-93	TRANSISTOR	2SB1565E (DB790)		
Q961	8-729-119-79	TRANSISTOR	2SC2785-FEK (DB790)		
Q962	8-729-119-79	TRANSISTOR	2SC2785-FEK (DB790)		
		< RESISTOR >			
R954	1-249-417-11	CARBON	1K	5% 1/4W	
R955	1-249-415-11	CARBON	680	5% 1/4W	
R956	1-249-429-11	CARBON	10K	5% 1/4W	
R957	1-249-415-11	CARBON	680	5% 1/4W	
R958	1-249-429-11	CARBON	10K	5% 1/4W	
R959	1-249-429-11	CARBON	10K	5% 1/4W	
R962	1-249-429-11	CARBON	10K	5% 1/4W	(DB790)
R963	1-247-847-91	CARBON	4.7K	5% 1/4W	(DB790)
R964	1-247-887-00	CARBON	220K	5% 1/4W	(DB790)
R965	1-249-401-11	CARBON	47	5% 1/4W	(DB790)
**********					
	A-4733-508-A	DIGITAL BOARD, COMPLETE (DA1000ES)			
	A-4733-536-A	DIGITAL BOARD, COMPLETE (DB790: SP, MY, TW, KR, AUS, CH)			
	A-4733-576-A	DIGITAL BOARD, COMPLETE (DB790: AEP, UK)			
		**********			
		< CAPACITOR >			
C1101	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1102	1-126-947-11	ELECT	47uF	20%	35V (DA1000ES)
C1102	1-128-840-11	ELECT	47uF	20%	16V (DB790: SP, MY, TW, KR, AUS, CH)
C1102	1-135-708-11	ELECT	47uF		16V (DB790: AEP, UK)
C1103	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1104	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1105	1-126-947-11	ELECT	47uF	20%	16V (DA1000ES)
C1105	1-128-840-11	ELECT	47uF	20%	35V (DB790: SP, MY, TW, KR, AUS, CH)
C1105	1-135-708-11	ELECT	47uF		16V (DB790: AEP, UK)
C1106	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1107	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1108	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1109	1-162-918-11	CERAMIC CHIP	18PF	5%	50V
C1110	1-162-918-11	CERAMIC CHIP	18PF	5%	50V
C1111	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1112	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1113	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1114	1-162-905-11	CERAMIC CHIP	1PF	0.25PF	50V
C1115	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1116	1-126-916-11	ELECT	1000uF	20%	6.3V (DA1000ES)
C1116	1-135-656-11	ELECT	1000uF		6.3V (DB790: AEP, UK)
C1116	1-137-658-11	ELECT	1000uF	20%	6.3V (DB790: SP, MY, TW, KR, AUS, CH)
C1117	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1118	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C1119	1-126-965-11	ELECT	22uF	20%	50V (DA1000ES)
C1119	1-128-858-11	ELECT	22uF	20%	50V (DB790: SP, MY, TW, KR, AUS, CH)
C1119	1-135-744-11	ELECT	22uF		50V (DB790: AEP, UK)
C1120	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1121	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1122	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1123	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1124	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1126	1-119-824-11	ELECT	10uF	20%	50V (DB790: SP, MY, TW, KR, AUS, CH)
C1126	1-126-964-11	ELECT	10uF	20%	50V (DA1000ES)
C1126	1-135-743-11	ELECT	10uF		50V (DB790: AEP, UK)
C1127	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1129	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C1130	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1131	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1132	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1133	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1201	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1202	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1203	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1204	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1205	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1206	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1207	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1208	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1209	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1210	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1211	1-126-935-11	ELECT	470uF	20%	10V (DA1000ES)
C1211	1-128-834-11	ELECT	470uF	20%	16V (DB790: SP, MY, TW, KR, AUS, CH)
C1211	1-135-669-11	ELECT	470uF		10V (DB790: AEP, UK)
C1212	1-126-935-11	ELECT	470uF	20%	16V (DA1000ES)
C1212	1-128-834-11	ELECT	470uF	20%	10V (DB790: SP, MY, TW, KR, AUS, CH)
C1212	1-135-669-11	ELECT	470uF		10V (DB790: AEP, UK)
C1213	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1214	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1216	1-162-927-11	CERAMIC CHIP	100PF	5%	50V

DIGITAL

Ref. No.	Part No.	Description			Remark
C1218	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1219	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1220	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1221	1-164-156-11	CERAMIC CHIP	0.1uF		25V
					(DB790: AEP, UK)
C1227	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1229	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1230	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1231	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1233	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1234	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1235	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1309	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1310	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1311	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1312	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1401	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1402	1-126-947-11	ELECT	47uF	20%	35V
					(DA1000ES)
C1402	1-128-840-11	ELECT	47uF	20%	16V
					(DB790: SP, MY, TW, KR, AUS, CH)
C1402	1-135-708-11	ELECT	47uF		16V
					(DB790: AEP, UK)
C1403	1-119-824-11	ELECT	10uF	20%	50V
					(DB790: SP, MY, TW, KR, AUS, CH)
C1403	1-126-964-11	ELECT	10uF	20%	50V
					(DA1000ES)
C1403	1-135-743-11	ELECT	10uF		50V
					(DB790: AEP, UK)
C1404	1-119-823-11	ELECT	4.7uF	20%	50V
					(DB790: SP, MY, TW, KR, AUS, CH)
C1404	1-126-963-11	ELECT	4.7uF	20%	50V
					(DA1000ES)
C1404	1-135-742-11	ELECT	4.7uF		50V
					(DB790: AEP, UK)
C1405	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C1406	1-119-823-11	ELECT	4.7uF	20%	50V
					(DB790: SP, MY, TW, KR, AUS, CH)
C1406	1-126-963-11	ELECT	4.7uF	20%	50V
					(DA1000ES)
C1406	1-135-742-11	ELECT	4.7uF		50V
					(DB790: AEP, UK)
C1407	1-119-824-11	ELECT	10uF	20%	50V
					(DB790: SP, MY, TW, KR, AUS, CH)
C1407	1-126-964-11	ELECT	10uF	20%	50V
					(DA1000ES)
C1407	1-135-743-11	ELECT	10uF		50V
					(DB790: AEP, UK)
C1408	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C1409	1-126-947-11	ELECT	47uF	20%	35V
					(DA1000ES)
C1409	1-128-840-11	ELECT	47uF	20%	16V
					(DB790: SP, MY, TW, KR, AUS, CH)
C1409	1-135-708-11	ELECT	47uF		16V
					(DB790: AEP, UK)
C1410	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1411	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1412	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1413	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1414	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C1415	1-164-230-11	CERAMIC CHIP	220PF	5%	50V

Ref. No.	Part No.	Description			Remark
C1416	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1417	1-126-935-11	ELECT	470uF	20%	16V
					(DA1000ES)
C1417	1-127-720-11	ELECT	470uF	20%	16V
					(DB790: SP, MY, TW, KR, AUS, CH)
C1417	1-135-711-11	ELECT	470uF		16V
					(DB790: AEP, UK)
C1418	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1501	1-126-924-11	ELECT	330uF	20%	10V
					(DA1000ES)
C1501	1-128-833-11	ELECT	330uF		10V
					(DB790)
C1502	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1503	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1504	1-126-934-11	ELECT	220uF	20%	16V
					(DA1000ES)
C1504	1-127-719-11	ELECT	220uF	20%	16V
					(DB790: SP, MY, TW, KR, AUS, CH)
C1504	1-135-710-11	ELECT	220uF		16V
					(DB790: AEP, UK)
C1505	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1506	1-164-156-11	CERAMIC CHIP	0.1uF		25V
					(DA1000ES)
C1507	1-119-824-11	ELECT	10uF	20%	50V
					(DB790: SP, MY, TW, KR, AUS, CH)
C1507	1-126-964-11	ELECT	10uF	20%	50V
					(DA1000ES)
C1507	1-135-743-11	ELECT	10uF		50V
					(DB790: AEP, UK)
C1508	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1509	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1510	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1511	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1512	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1513	1-119-824-11	ELECT	10uF	20%	50V
					(DB790: SP, MY, TW, KR, AUS, CH)
C1513	1-126-964-11	ELECT	10uF	20%	50V
					(DA1000ES)
C1513	1-135-743-11	ELECT	10uF		50V
					(DB790: AEP, UK)
C1514	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1522	1-162-977-11	CERAMIC CHIP	0.0018uF	10%	50V
C1523	1-164-218-11	CERAMIC CHIP	180PF	5%	50V
C1524	1-126-933-11	ELECT	100uF	20%	16V
					(DA1000ES)
C1524	1-127-718-11	ELECT	100uF	20%	16V
					(DB790: SP, MY, TW, KR, AUS, CH)
C1524	1-135-709-11	ELECT	100uF		16V
					(DB790: AEP, UK)
C1532	1-162-977-11	CERAMIC CHIP	0.0018uF	10%	50V
C1533	1-164-218-11	CERAMIC CHIP	180PF	5%	50V
C1534	1-126-933-11	ELECT	100uF	20%	16V
					(DA1000ES)
C1534	1-127-718-11	ELECT	100uF	20%	16V
					(DB790: SP, MY, TW, KR, AUS, CH)
C1534	1-135-709-11	ELECT	100uF		16V
					(DB790: AEP, UK)
C1542	1-162-977-11	CERAMIC CHIP	0.0018uF	10%	50V
C1543	1-164-218-11	CERAMIC CHIP	180PF	5%	50V
C1544	1-126-933-11	ELECT	100uF	20%	16V
					(DA1000ES)

Ref. No.	Part No.	Description				Remark
C1544	1-127-718-11	ELECT	100uF	20%	16V	
						(DB790: SP, MY, TW, KR, AUS, CH)
C1544	1-135-709-11	ELECT	100uF		16V	
						(DB790: AEP, UK)
C1552	1-162-977-11	CERAMIC CHIP	0.0018uF	10%	50V	
C1553	1-164-218-11	CERAMIC CHIP	180PF	5%	50V	
C1554	1-126-933-11	ELECT	100uF	20%	16V	
						(DA1000ES)
C1554	1-127-718-11	ELECT	100uF	20%	16V	
						(DB790: SP, MY, TW, KR, AUS, CH)
C1554	1-135-709-11	ELECT	100uF		16V	
						(DB790: AEP, UK)
C1562	1-162-977-11	CERAMIC CHIP	0.0018uF	10%	50V	
C1563	1-164-218-11	CERAMIC CHIP	180PF	5%	50V	
C1564	1-126-933-11	ELECT	100uF	20%	16V	
						(DA1000ES)
C1564	1-127-718-11	ELECT	100uF	20%	16V	
						(DB790: SP, MY, TW, KR, AUS, CH)
C1564	1-135-709-11	ELECT	100uF		16V	
						(DB790: AEP, UK)
C1572	1-162-977-11	CERAMIC CHIP	0.0018uF	10%	50V	
C1573	1-164-218-11	CERAMIC CHIP	180PF	5%	50V	
C1574	1-126-933-11	ELECT	100uF	20%	16V	
						(DA1000ES)
C1574	1-127-718-11	ELECT	100uF	20%	16V	
						(DB790: SP, MY, TW, KR, AUS, CH)
C1574	1-135-709-11	ELECT	100uF		16V	
						(DB790: AEP, UK)
C1582	1-162-977-11	CERAMIC CHIP	0.0018uF	10%	50V	
C1583	1-164-218-11	CERAMIC CHIP	180PF	5%	50V	
C1584	1-126-933-11	ELECT	100uF	20%	16V	
						(DA1000ES)
C1584	1-127-718-11	ELECT	100uF	20%	16V	
						(DB790: SP, MY, TW, KR, AUS, CH)
C1584	1-135-709-11	ELECT	100uF		16V	
						(DB790: AEP, UK)
C1592	1-162-977-11	CERAMIC CHIP	0.0018uF	10%	50V	
						(DA1000ES)
C1593	1-164-218-11	CERAMIC CHIP	180PF	5%	50V	
						(DA1000ES)
C1594	1-126-933-11	ELECT	100uF	20%	16V	
						(DA1000ES)
C1601	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C1602	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C1603	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C1604	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C1605	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C1606	1-126-947-11	ELECT	47uF	20%	35V	
						(DA1000ES)
C1606	1-128-840-11	ELECT	47uF	20%	16V	
						(DB790: SP, MY, TW, KR, AUS, CH)
C1606	1-135-708-11	ELECT	47uF		16V	
						(DB790: AEP, UK)
C1608	1-162-974-11	CERAMIC CHIP	0.01uF		50V	
C1609	1-162-974-11	CERAMIC CHIP	0.01uF		50V	
C1610	1-162-974-11	CERAMIC CHIP	0.01uF		50V	
C1611	1-162-974-11	CERAMIC CHIP	0.01uF		50V	
C1612	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C1613	1-162-995-11	CERAMIC CHIP	0.022uF		50V	
C1614	1-162-995-11	CERAMIC CHIP	0.022uF		50V	
C1617	1-162-974-11	CERAMIC CHIP	0.01uF		50V	
C1618	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C1619	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C1620	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C1624	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C1626	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C1627	1-119-824-11	ELECT	10uF	20%	50V	
C1628	1-162-908-11	CERAMIC CHIP	3PF	0.25PF	50V	
C1629	1-162-908-11	CERAMIC CHIP	3PF	0.25PF	50V	
C1631	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C1634	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C1635	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C1638	1-162-974-11	CERAMIC CHIP	0.01uF		50V	
C1639	1-162-974-11	CERAMIC CHIP	0.01uF		50V	
C1640	1-164-230-11	CERAMIC CHIP	220PF	5%	50V	
C1658	1-162-974-11	CERAMIC CHIP	0.01uF		50V	
C1659	1-162-974-11	CERAMIC CHIP	0.01uF		50V	
C1905	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C1906	1-126-935-11	ELECT	470uF	20%	16V	
						(DA1000ES)
C1906	1-127-720-11	ELECT	470uF	20%	16V	
						(DB790: SP, MY, TW, KR, AUS, CH)
C1906	1-135-711-11	ELECT	470uF		16V	
						(DB790: AEP, UK)
C1908	1-126-935-11	ELECT	470uF	20%	16V	
						(DA1000ES)
C1908	1-127-720-11	ELECT	470uF	20%	16V	
						(DB790: SP, MY, TW, KR, AUS, CH)
C1908	1-135-711-11	ELECT	470uF		16V	
						(DB790: AEP, UK)
C1909	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C1910	1-126-934-11	ELECT	220uF	20%	16V	
						(DA1000ES)
C1910	1-128-832-11	ELECT	220uF	20%	10V	
						(DB790)
C1911	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C1912	1-126-935-11	ELECT	470uF	20%	16V	
						(DA1000ES)
C1912	1-127-720-11	ELECT	470uF	20%	16V	
						(DB790: SP, MY, TW, KR, AUS, CH)
C1912	1-135-711-11	ELECT	470uF		16V	
						(DB790: AEP, UK)
C1913	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C1914	1-126-947-11	ELECT	47uF	20%	35V	
						(DA1000ES)
C1914	1-128-840-11	ELECT	47uF	20%	16V	
						(DB790: SP, MY, TW, KR, AUS, CH)
C1914	1-135-708-11	ELECT	47uF		16V	
						(DB790: AEP, UK)
C1915	1-135-708-11	ELECT	47uF		16V	
						(DB790: AEP, UK)
C1916	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
						(DB790: AEP, UK)

< CONNECTOR >

CN1101	1-764-867-41	CONNECTOR, BOARD TO BOARD 20P	
CN1102	1-764-867-41	CONNECTOR, BOARD TO BOARD 20P	
CN1103	1-569-060-11	SOCKET, CONNECTOR 11P	
			(EXCEPT DB790: AEP, UK)
CN1103	1-569-321-11	SOCKET, CONNECTOR 15P (DB790: AEP, UK)	
CN1104	1-784-923-11	PIN, CONNECTOR 7P	

DIGITAL

Ref. No.	Part No.	Description	Remark
CN1105	1-784-788-11	CONNECTOR, FFC 27P	
CN1106	1-691-767-11	PLUG (MICRO CONNECTOR) 5P	
CN1107	1-564-320-00	PIN, CONNECTOR (3.96mm PITCH) 2P	
CN1110	1-691-765-11	PLUG (MICRO CONNECTOR) 3P	
		< DIODE >	
D1001	8-719-016-74	DIODE 1SS352	
D1101	8-719-016-74	DIODE 1SS352	
D1601	8-719-016-74	DIODE 1SS352	
D1603	8-719-016-74	DIODE 1SS352	
D1905	8-719-053-18	DIODE 1SR154-400TE-25	
D1906	8-719-053-18	DIODE 1SR154-400TE-25	
D1907	8-719-053-18	DIODE 1SR154-400TE-25	
		< FERRITE BEAD >	
FB1101	1-469-152-11	FERRITE 0uH	
FB1102	1-469-152-11	FERRITE 0uH	
FB1104	1-414-813-11	FERRITE 0uH	
FB1105	1-414-813-11	FERRITE 0uH	
FB1201	1-469-152-11	FERRITE 0uH	
FB1202	1-469-152-11	FERRITE 0uH	
FB1203	1-414-813-11	FERRITE 0uH	
FB1401	1-469-152-11	FERRITE 0uH	
FB1407	1-414-813-11	FERRITE 0uH	
FB1501	1-469-152-11	FERRITE 0uH	
FB1502	1-469-152-11	FERRITE 0uH	
FB1503	1-414-813-11	FERRITE 0uH	
FB1601	1-469-152-11	FERRITE 0uH	
FB1602	1-469-152-11	FERRITE 0uH	
FB1603	1-469-152-11	FERRITE 0uH	
FB1604	1-469-152-11	FERRITE 0uH	
FB1605	1-469-152-11	FERRITE 0uH	
		< IC >	
IC1101	8-759-825-15	IC LC89056W-E	
IC1102	8-759-242-70	IC TC7WU04F	
IC1103	8-759-926-17	IC SN74HC153ANS	
IC1104	6-600-014-01	IC TORX141L (DIGITAL OPTICAL DVD IN)	
IC1105	6-600-014-01	IC TORX141L (DIGITAL OPTICAL TV/SAT IN)	
IC1106	6-600-014-01	IC TORX141L (DIGITAL OPTICAL MD IN)	
IC1107	6-600-012-01	IC TOTX141L (DIGITAL OPTICAL MD OUT)	
IC1201	6-702-047-01	IC CXD9718Q	
IC1202	6-700-983-01	IC IS61LV6416-15T (ICSI)	
IC1204	8-759-546-74	IC TC7WH157FU (TE12R)	
IC1401	8-759-560-56	IC PCM1800E/2K	
IC1402	8-759-636-55	IC M5218AFP	
IC1403	8-759-231-53	IC TA7805S	
IC1501	8-759-825-12	IC PCM1604Y/2K	
IC1502	8-759-825-13	IC PCM1748E/2K	
IC1503	8-759-196-96	IC TC7SH08FU-TE85R	
IC1504	8-759-546-74	IC TC7WH157FU (TE12R) (DA1000ES)	
IC1521	8-759-636-55	IC M5218AFP	
IC1541	8-759-636-55	IC M5218AFP	
IC1561	8-759-636-55	IC M5218AFP	
IC1581	8-759-636-55	IC M5218AFP	
IC1601	6-802-990-01	IC MB90478PF-G-148-BND	
IC1602	6-702-913-01	IC S-80929CNMC-G8ZT2G	
IC1604	8-759-641-86	IC BR24C16F-E2	

Ref. No.	Part No.	Description	Remark
IC1901	6-701-887-02	IC SI-3004KWF	
IC1902	8-759-604-32	IC M5F7810L	
IC1903	8-759-647-10	IC uPC2933HF	
IC1904	8-759-647-10	IC uPC2933HF	
IC1905	8-759-445-59	IC BA033T (DB790: AEP, UK)	
		< JACK >	
J1101	1-784-431-11	JACK, PIN 1P (DIGITAL COAXIAL IN ASSIGNABLE DVD CD/SACD)	
J1102	1-563-330-11	JACK (CONTROL A1II)	
		< SHORT >	
JR1112	1-216-864-11	SHORT CHIP 0 (EXCEPT DB790: AEP, UK)	
JR1113	1-216-864-11	SHORT CHIP 0 (EXCEPT DB790: AEP, UK)	
JR1114	1-216-864-11	SHORT CHIP 0 (EXCEPT DB790: AEP, UK)	
JR1121	1-216-864-11	SHORT CHIP 0	
JR1200	1-216-864-11	SHORT CHIP 0	
JR1201	1-216-864-11	SHORT CHIP 0	
JR1501	1-216-864-11	SHORT CHIP 0 (DB790)	
JR1688	1-216-864-11	SHORT CHIP 0	
		< SHORT >	
L1901	1-216-864-11	SHORT CHIP 0	
		< TRANSISTOR >	
Q1601	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q1602	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1603	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1607	8-729-230-49	TRANSISTOR 2SC2712-YG	
		< RESISTOR >	
R1100	1-216-857-11	METAL CHIP 1M 5% 1/10W	
R1101	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1102	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1104	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1105	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R1106	1-216-839-11	METAL CHIP 33K 5% 1/10W	
R1107	1-216-830-11	METAL CHIP 5.6K 5% 1/10W	
R1108	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1109	1-216-864-11	SHORT CHIP 0	
R1110	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1111	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1112	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1113	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1114	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1115	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1116	1-218-285-11	METAL CHIP 75 5% 1/10W	
R1117	1-216-817-11	METAL CHIP 470 5% 1/10W	
R1118	1-216-853-11	METAL CHIP 470K 5% 1/10W	
R1119	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R1120	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1121	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1122	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1123	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1124	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1127	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1201	1-216-833-11	METAL CHIP 10K 5% 1/10W	

DIGITAL

Ref. No.	Part No.	Description			Remark
R1202	1-216-809-11	METAL CHIP	100	5%	1/10W
R1203	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1204	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1205	1-216-809-11	METAL CHIP	100	5%	1/10W
R1206	1-216-809-11	METAL CHIP	100	5%	1/10W
R1207	1-216-809-11	METAL CHIP	100	5%	1/10W
R1208	1-216-809-11	METAL CHIP	100	5%	1/10W
R1209	1-216-809-11	METAL CHIP	100	5%	1/10W
R1210	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1212	1-216-813-11	METAL CHIP	220	5%	1/10W
R1213	1-216-813-11	METAL CHIP	220	5%	1/10W
R1214	1-216-813-11	METAL CHIP	220	5%	1/10W
R1215	1-216-813-11	METAL CHIP	220	5%	1/10W
R1216	1-216-813-11	METAL CHIP	220	5%	1/10W
R1217	1-216-813-11	METAL CHIP	220	5%	1/10W
R1218	1-216-813-11	METAL CHIP	220	5%	1/10W
R1219	1-216-813-11	METAL CHIP	220	5%	1/10W
R1220	1-216-813-11	METAL CHIP	220	5%	1/10W
R1221	1-216-813-11	METAL CHIP	220	5%	1/10W
R1222	1-216-813-11	METAL CHIP	220	5%	1/10W
R1224	1-216-809-11	METAL CHIP	100	5%	1/10W
R1226	1-216-864-11	SHORT CHIP	0		
R1304	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1305	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1308	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1314	1-216-864-11	SHORT CHIP	0		
R1364	1-216-864-11	SHORT CHIP	0		
R1401	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1402	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1421	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1422	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1424	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1431	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1432	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1434	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1437	1-216-809-11	METAL CHIP	100	5%	1/10W
R1501	1-216-809-11	METAL CHIP	100	5%	1/10W
R1502	1-216-809-11	METAL CHIP	100	5%	1/10W
R1503	1-216-809-11	METAL CHIP	100	5%	1/10W
R1504	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1505	1-216-809-11	METAL CHIP	100	5%	1/10W
R1506	1-216-809-11	METAL CHIP	100	5%	1/10W
R1507	1-216-809-11	METAL CHIP	100	5%	1/10W
R1508	1-216-809-11	METAL CHIP	100	5%	1/10W
R1509	1-216-809-11	METAL CHIP	100	5%	1/10W
R1512	1-216-809-11	METAL CHIP	100	5%	1/10W
R1520	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R1521	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R1522	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1523	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1524	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1530	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R1531	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R1532	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1533	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1534	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1540	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R1541	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R1542	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1543	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1544	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1550	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R1551	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R1552	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1553	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1554	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1560	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R1561	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R1562	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1563	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1564	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1570	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R1571	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R1572	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1573	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1574	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1580	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R1581	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R1582	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1583	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1584	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1590	1-216-832-11	METAL CHIP	8.2K	5%	1/10W (DA1000ES)
R1591	1-216-823-11	METAL CHIP	1.5K	5%	1/10W (DA1000ES)
R1592	1-216-837-11	METAL CHIP	22K	5%	1/10W (DA1000ES)
R1593	1-216-821-11	METAL CHIP	1K	5%	1/10W (DA1000ES)
R1594	1-216-845-11	METAL CHIP	100K	5%	1/10W (DA1000ES)
R1600	1-216-809-11	METAL CHIP	100	5%	1/10W
R1601	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1602	1-216-809-11	METAL CHIP	100	5%	1/10W
R1603	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1604	1-216-809-11	METAL CHIP	100	5%	1/10W
R1605	1-216-809-11	METAL CHIP	100	5%	1/10W
R1606	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1607	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1608	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1609	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1610	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1611	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1612	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1613	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1614	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1615	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1616	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1617	1-216-809-11	METAL CHIP	100	5%	1/10W
R1618	1-216-809-11	METAL CHIP	100	5%	1/10W
R1619	1-216-809-11	METAL CHIP	100	5%	1/10W
R1620	1-216-809-11	METAL CHIP	100	5%	1/10W
R1621	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1622	1-216-809-11	METAL CHIP	100	5%	1/10W
R1623	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1624	1-216-833-11	METAL CHIP	10K	5%	1/10W

DIGITAL DISPLAY

Ref. No.	Part No.	Description			Remark
R1625	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1626	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1627	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1628	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1629	1-216-809-11	METAL CHIP	100	5%	1/10W
R1630	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1631	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1632	1-216-809-11	METAL CHIP	100	5%	1/10W
R1633	1-216-809-11	METAL CHIP	100	5%	1/10W
R1634	1-216-841-11	METAL CHIP	47K	5%	1/10W
					(DB790)
R1635	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1636	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1637	1-216-809-11	METAL CHIP	100	5%	1/10W
R1638	1-216-809-11	METAL CHIP	100	5%	1/10W
R1639	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1640	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1641	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1642	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1643	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1644	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1645	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1646	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1647	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1648	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1649	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1650	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1651	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1652	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1653	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1654	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1655	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1656	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1657	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1658	1-216-809-11	METAL CHIP	100	5%	1/10W
R1662	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1663	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1664	1-216-809-11	METAL CHIP	100	5%	1/10W
R1665	1-216-809-11	METAL CHIP	100	5%	1/10W
R1666	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1667	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1668	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1669	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1671	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1672	1-216-797-11	METAL CHIP	10	5%	1/10W
R1673	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1674	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1675	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1676	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1677	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1678	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1679	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1680	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1681	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1682	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1687	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1690	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1691	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1692	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1693	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1694	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1695	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1697	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
					(DB790: AEP, UK)
R1697	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
					(DB790: SP, MY, TW, KR, AUS, CH)
R1697	1-216-864-11	SHORT CHIP	0 (DA1000ES)		
R1698	1-216-809-11	METAL CHIP	100	5%	1/10W
R1699	1-216-809-11	METAL CHIP	100	5%	1/10W
R1701	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1702	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1703	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1704	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1705	1-216-809-11	METAL CHIP	100	5%	1/10W
					(DB790: AEP, UK)
R1710	1-216-809-11	METAL CHIP	100	5%	1/10W
					(DB790: AEP, UK)
R1711	1-216-809-11	METAL CHIP	100	5%	1/10W
					(DB790: AEP, UK)
R1712	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1713	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1714	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1715	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1716	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1717	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1718	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1719	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1720	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1721	1-216-821-11	METAL CHIP	1K	5%	1/10W
		< VIBRATOR >			
X1101	1-781-465-21	VIBRATOR, CRYSTAL (12.288MHz)			
X1201	1-781-527-21	VIBRATOR, CRYSTAL (13.5MHz)			
X1601	1-781-356-21	VIBRATOR, CERAMIC (16MHz)			
**********					
	A-4733-524-A	DISPLAY BOARD, COMPLETE			
		**********			
	4-245-442-01	HOLDER (FL)			
*	4-921-941-01	CUSHION (FL)			
		< CAPACITOR >			
C1005	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1006	1-128-813-11	CERAMIC	220PF	5%	50V
C1007	1-128-813-11	CERAMIC	220PF	5%	50V
C1008	1-128-809-11	CERAMIC	100PF	5%	50V
C1009	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1010	1-126-786-11	ELECT	47uF	20%	16V
C1011	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1012	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1013	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1014	1-126-796-11	ELECT	22uF	20%	50V
C1015	1-128-813-11	CERAMIC	220PF	5%	50V
C1016	1-128-813-11	CERAMIC	220PF	5%	50V
C1017	1-128-813-11	CERAMIC	220PF	5%	50V
C1018	1-128-813-11	CERAMIC	220PF	5%	50V
C1019	1-128-813-11	CERAMIC	220PF	5%	50V

DISPLAY **FUN** **HP-V3**

Ref. No.	Part No.	Description			Remark
C1020	1-128-813-11	CERAMIC	220PF	5%	50V
C1021	1-128-813-11	CERAMIC	220PF	5%	50V
C1022	1-128-813-11	CERAMIC	220PF	5%	50V
C1023	1-128-813-11	CERAMIC	220PF	5%	50V
C1024	1-128-813-11	CERAMIC	220PF	5%	50V
C1025	1-128-813-11	CERAMIC	220PF	5%	50V
C1026	1-128-813-11	CERAMIC	220PF	5%	50V
C1031	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1051	1-126-786-11	ELECT	47uF	20%	16V
C1071	1-126-786-11	ELECT	47uF	20%	16V
		< CONNECTOR >			
CN1001	1-784-749-11	CONNECTOR, FFC 27P			
CN1071	1-564-506-11	PLUG, CONNECTOR 3P			
		< DIODE >			
D1031	8-719-084-07	LED SEL5E20CTP15 (MULTI CHANNEL DECODING)			
D1071	8-719-118-63	DIODE RD5.6F-T7B2			
		< FLUORESCENT INDICATOR TUBE >			
FL1603	1-518-928-11	INDICATOR TUBE, FLUORESCENT			
		< IC >			
IC1001	8-759-643-83	IC uPD16315GB-3BS			
IC1006	8-759-243-51	IC TC74ACT08P			
IC1051	8-759-826-34	IC NJL74H400A			
		< TRANSISTOR >			
Q1031	8-729-119-76	TRANSISTOR	2SA1175-HFE		
Q1032	8-729-119-78	TRANSISTOR	2SC2785-HFE		
		< RESISTOR >			
R1004	1-249-437-11	CARBON	47K	5%	1/4W
R1005	1-249-440-11	CARBON	82K	5%	1/4W
R1009	1-249-437-11	CARBON	47K	5%	1/4W
⚠R1011	1-249-381-11	CARBON	1	5%	1/4W F
⚠R1012	1-249-381-11	CARBON	1	5%	1/4W F
R1031	1-249-409-11	CARBON	220	5%	1/4W
R1032	1-249-429-11	CARBON	10K	5%	1/4W
R1033	1-249-402-11	CARBON	56	5%	1/4W
R1035	1-249-429-11	CARBON	10K	5%	1/4W
R1036	1-249-425-11	CARBON	4.7K	5%	1/4W
R1037	1-249-425-11	CARBON	4.7K	5%	1/4W
R1042	1-249-417-11	CARBON	1K	5%	1/4W
R1043	1-249-421-11	CARBON	2.2K	5%	1/4W
R1044	1-249-421-11	CARBON	2.2K	5%	1/4W
R1045	1-249-425-11	CARBON	4.7K	5%	1/4W
R1046	1-249-429-11	CARBON	10K	5%	1/4W
R1047	1-249-433-11	CARBON	22K	5%	1/4W
R1052	1-249-417-11	CARBON	1K	5%	1/4W
R1053	1-249-421-11	CARBON	2.2K	5%	1/4W
R1054	1-249-421-11	CARBON	2.2K	5%	1/4W
R1055	1-249-425-11	CARBON	4.7K	5%	1/4W
R1056	1-249-429-11	CARBON	10K	5%	1/4W
R1058	1-249-393-11	CARBON	10	5%	1/4W
R1059	1-247-807-31	CARBON	100	5%	1/4W

Ref. No.	Part No.	Description			Remark
		< ROTARY ENCODER >			
RV1051	1-467-808-21	ENCODER, ROTARY (MENU)			
RV1052	1-467-808-21	ENCODER, ROTARY (–/+)			
		< SWITCH >			
S1041	1-762-875-21	SWITCH, KEYBOARD (INPUT MODE)			
S1042	1-762-875-21	SWITCH, KEYBOARD (DISPLAY)			
S1043	1-762-875-21	SWITCH, KEYBOARD (MUSIC)			
S1044	1-762-875-21	SWITCH, KEYBOARD (MOVIE)			
S1045	1-762-875-21	SWITCH, KEYBOARD (A.F.D.)			
S1046	1-762-875-21	SWITCH, KEYBOARD (2CH)			
S1047	1-762-875-21	SWITCH, KEYBOARD(SURR BACK DECODING)			
S1050	1-762-875-21	SWITCH, KEYBOARD (I/⏻)			
S1051	1-762-875-21	SWITCH, KEYBOARD (TUNING +)			
S1052	1-762-875-21	SWITCH, KEYBOARD (TUNING –)			
S1053	1-762-875-21	SWITCH, KEYBOARD (PRESET TUNING +)			
S1054	1-762-875-21	SWITCH, KEYBOARD (PRESET TUNING –)			
S1056	1-762-875-21	SWITCH, KEYBOARD (MAIN MENU)			
S1057	1-762-875-21	SWITCH, KEYBOARD (SPEAKERS)			
S1065	1-762-875-21	SWITCH, KEYBOARD (MEMORY/ENTER)			
**********					
		FUN BOARD			
		**********			
		< ROTARY ENCODER >			
RV1061	1-467-808-21	ENCODER, ROTARY (INPUT SELECTOER)			
**********					
		HP-V3 BOARD			
		**********			
		< CAPACITOR >			
C1081	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1096	1-127-868-11	CERAMIC	2200PF	10%	50V
C1097	1-127-868-11	CERAMIC	2200PF	10%	50V
C1098	1-127-868-11	CERAMIC	2200PF	10%	50V
		< CONNECTOR >			
CN1081	1-784-922-11	PIN, CONNECTOR 5P			
CN1091	1-784-925-11	PIN, CONNECTOR 10P			
		< GROUND TERMINAL >			
* EP1086	1-537-738-21	TERMINAL, EARTH			
* EP1091	1-537-738-21	TERMINAL, EARTH			
		< IC >			
IC1081	6-600-219-01	IC GP1FM313RZ0F (DIGITAL OPTICAL)			
		< JACK/TERMINAL >			
J1086	1-815-313-11	JACK (PHONES)			
J1091	1-770-571-11	JACK BLOCK, PIN (L TYPE) 3P (VIDEO 3 INPUT VIDEO/AUDIO)			
J1092	1-784-808-11	TERMINAL, S (VIDEO 3 INPUT S-VIDEO)			
		< RESISTOR >			
R1081	1-247-807-31	CARBON	100	5%	1/4W

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

HP-V3 MAIN

Ref. No.	Part No.	Description			Remark
R1092	1-249-417-11	CARBON	1K	5%	1/4W
R1093	1-249-417-11	CARBON	1K	5%	1/4W
R1094	1-247-804-11	CARBON	75	5%	1/4W
R1095	1-247-804-11	CARBON	75	5%	1/4W
R1096	1-247-804-11	CARBON	75	5%	1/4W
**********					
	A-4733-533-A	MAIN BOARD, COMPLETE (DA1000ES)			
	A-4733-553-A	MAIN BOARD, COMPLETE (DB790: SP, MY, TW, KR, CH)			
	A-4733-568-A	MAIN BOARD, COMPLETE (DB790: AEP, UK, AUS)			
		**********			
		< CAPACITOR >			
C401	1-126-933-11	ELECT	100uF	20%	16V (DA1000ES)
C401	1-127-718-11	ELECT	100uF	20%	16V (DB790: SP, MY, TW, KR, CH)
C401	1-135-681-11	ELECT	100uF		25V (DB790: AEP, UK, AUS)
C402	1-102-110-00	CERAMIC	220PF	10%	50V
C403	1-128-560-11	ELECT	22uF	20%	100V (DA1000ES)
C403	1-128-883-11	ELECT	22uF	20%	100V (DB790: SP, MY, TW, KR, CH)
C403	1-135-727-11	ELECT	22uF		100V (DB790: AEP, UK, AUS)
C404	1-128-560-11	ELECT	22uF	20%	100V (DA1000ES)
C404	1-128-883-11	ELECT	22uF	20%	100V (DB790: SP, MY, TW, KR, CH)
C404	1-135-727-11	ELECT	22uF		100V (DB790: AEP, UK, AUS)
C413	1-127-876-11	CERAMIC	0.01uF	10%	50V
C416	1-136-161-00	MYLAR	0.047uF	5%	50V
C417	1-136-165-00	MYLAR	0.1uF	5%	50V
C418	1-126-934-11	ELECT	220uF	20%	16V (DA1000ES)
C418	1-127-719-11	ELECT	220uF	20%	16V (DB790: SP, MY, TW, KR, CH)
C418	1-135-710-11	ELECT	220uF		16V (DB790: AEP, UK, AUS)
C419	1-128-809-11	CERAMIC	100PF	5%	50V
C431	1-126-947-11	ELECT	47uF	20%	35V (DA1000ES)
C431	1-128-840-11	ELECT	47uF	20%	16V (DB790: SP, MY, TW, KR, CH)
C431	1-135-708-11	ELECT	47uF		16V (DB790: AEP, UK, AUS)
C432	1-128-813-11	CERAMIC	220PF	5%	50V
C456	1-126-933-11	ELECT	100uF	20%	16V (DA1000ES)
C456	1-127-718-11	ELECT	100uF	20%	16V (DB790: SP, MY, TW, KR, CH)
C456	1-135-681-11	ELECT	100uF		25V (DB790: AEP, UK, AUS)
C457	1-102-110-00	CERAMIC	220PF	10%	50V
C463	1-127-876-11	CERAMIC	0.01uF	10%	50V
C466	1-136-161-00	MYLAR	0.047uF	5%	50V
C467	1-136-165-00	MYLAR	0.1uF	5%	50V
C468	1-126-934-11	ELECT	220uF	20%	16V (DA1000ES)
C468	1-127-719-11	ELECT	220uF	20%	16V (DB790: SP, MY, TW, KR, CH)
C468	1-135-710-11	ELECT	220uF		16V (DB790: AEP, UK, AUS)
C481	1-126-947-11	ELECT	47uF	20%	35V (DA1000ES)
C481	1-128-840-11	ELECT	47uF	20%	16V (DB790: SP, MY, TW, KR, CH)
C481	1-135-708-11	ELECT	47uF		16V (DB790: AEP, UK, AUS)
C482	1-128-813-11	CERAMIC	220PF	5%	50V
C501	1-126-933-11	ELECT	100uF	20%	16V (DA1000ES)
C501	1-127-718-11	ELECT	100uF	20%	16V (DB790: SP, MY, TW, KR, CH)
C501	1-135-681-11	ELECT	100uF		25V (DB790: AEP, UK, AUS)
C502	1-102-110-00	CERAMIC	220PF	10%	50V
C513	1-127-876-11	CERAMIC	0.01uF	10%	50V
C516	1-136-161-00	MYLAR	0.047uF	5%	50V
C517	1-136-165-00	MYLAR	0.1uF	5%	50V
C518	1-126-934-11	ELECT	220uF	20%	16V (DA1000ES)
C518	1-127-719-11	ELECT	220uF	20%	16V (DB790: SP, MY, TW, KR, CH)
C518	1-135-710-11	ELECT	220uF		16V (DB790: AEP, UK, AUS)
C519	1-128-809-11	CERAMIC	100PF	5%	50V
C531	1-126-947-11	ELECT	47uF	20%	35V (DA1000ES)
C531	1-128-840-11	ELECT	47uF	20%	16V (DB790: SP, MY, TW, KR, CH)
C531	1-135-708-11	ELECT	47uF		16V (DB790: AEP, UK, AUS)
C532	1-128-813-11	CERAMIC	220PF	5%	50V
C551	1-126-933-11	ELECT	100uF	20%	16V (DA1000ES)
C551	1-127-718-11	ELECT	100uF	20%	16V (DB790: SP, MY, TW, KR, CH)
C551	1-135-681-11	ELECT	100uF		25V (DB790: AEP, UK, AUS)
C552	1-102-110-00	CERAMIC	220PF	10%	50V
C563	1-127-876-11	CERAMIC	0.01uF	10%	50V
C566	1-136-161-00	MYLAR	0.047uF	5%	50V
C567	1-136-165-00	MYLAR	0.1uF	5%	50V
C568	1-126-934-11	ELECT	220uF	20%	16V (DA1000ES)
C568	1-127-719-11	ELECT	220uF	20%	16V (DB790: SP, MY, TW, KR, CH)
C568	1-135-710-11	ELECT	220uF		16V (DB790: AEP, UK, AUS)
C581	1-126-947-11	ELECT	47uF	20%	35V (DA1000ES)
C581	1-128-840-11	ELECT	47uF	20%	16V (DB790: SP, MY, TW, KR, CH)
C581	1-135-708-11	ELECT	47uF		16V (DB790: AEP, UK, AUS)
C582	1-128-813-11	CERAMIC	220PF	5%	50V
C601	1-126-933-11	ELECT	100uF	20%	16V (DA1000ES)

Ref. No.	Part No.	Description	Remark
C601	1-127-718-11	ELECT 100uF 20% 16V	(DB790: SP, MY, TW, KR, CH)
C601	1-135-681-11	ELECT 100uF 25V	(DB790: AEP, UK, AUS)
C602	1-102-110-00	CERAMIC 220PF 10% 50V	
C613	1-127-876-11	CERAMIC 0.01uF 10% 50V	
C616	1-136-161-00	MYLAR 0.047uF 5% 50V	
C617	1-136-165-00	MYLAR 0.1uF 5% 50V	
C618	1-126-934-11	ELECT 220uF 20% 16V	(DA1000ES)
C618	1-127-719-11	ELECT 220uF 20% 16V	(DB790: SP, MY, TW, KR, CH)
C618	1-135-710-11	ELECT 220uF 16V	(DB790: AEP, UK, AUS)
C619	1-128-809-11	CERAMIC 100PF 5% 50V	
C631	1-126-947-11	ELECT 47uF 20% 35V	(DA1000ES)
C631	1-128-840-11	ELECT 47uF 20% 16V	(DB790: SP, MY, TW, KR, CH)
C631	1-135-708-11	ELECT 47uF 16V	(DB790: AEP, UK, AUS)
C632	1-128-813-11	CERAMIC 220PF 5% 50V	
C651	1-126-933-11	ELECT 100uF 20% 16V	(DA1000ES)
C652	1-102-110-00	CERAMIC 220PF 10% 50V	(DA1000ES)
C663	1-127-876-11	CERAMIC 0.01uF 10% 50V	
C666	1-136-161-00	MYLAR 0.047uF 5% 50V	
C667	1-136-165-00	MYLAR 0.1uF 5% 50V	
C668	1-126-934-11	ELECT 220uF 20% 16V	(DA1000ES)
C669	1-128-809-11	CERAMIC 100PF 5% 50V	
C681	1-126-947-11	ELECT 47uF 20% 35V	(DA1000ES)
C681	1-128-840-11	ELECT 47uF 20% 16V	(DB790: SP, MY, TW, KR, CH)
C681	1-135-708-11	ELECT 47uF 16V	(DB790: AEP, UK, AUS)
C682	1-128-813-11	CERAMIC 220PF 5% 50V	
C701	1-126-933-11	ELECT 100uF 20% 16V	(DA1000ES)
C701	1-127-718-11	ELECT 100uF 20% 16V	(DB790: SP, MY, TW, KR, CH)
C701	1-135-681-11	ELECT 100uF 25V	(DB790: AEP, UK, AUS)
C702	1-102-110-00	CERAMIC 220PF 10% 50V	
C713	1-127-876-11	CERAMIC 0.01uF 10% 50V	(DA1000ES)
C716	1-136-161-00	MYLAR 0.047uF 5% 50V	(DA1000ES)
C717	1-136-165-00	MYLAR 0.1uF 5% 50V	(DA1000ES)
C718	1-126-934-11	ELECT 220uF 20% 16V	(DA1000ES)
C718	1-127-719-11	ELECT 220uF 20% 16V	(DB790: SP, MY, TW, KR, CH)
C718	1-135-710-11	ELECT 220uF 16V	(DB790: AEP, UK, AUS)
C751	1-126-933-11	ELECT 100uF 20% 16V	(DA1000ES)
C751	1-127-718-11	ELECT 100uF 20% 16V	(DB790: SP, MY, TW, KR, CH)
C751	1-135-681-11	ELECT 100uF 25V	(DB790: AEP, UK, AUS)
C752	1-102-110-00	CERAMIC 220PF 10% 50V	
C753	1-126-933-11	ELECT 100uF 20% 16V	(DA1000ES)
C753	1-127-718-11	ELECT 100uF 20% 16V	(DB790: SP, MY, TW, KR, CH)
C753	1-135-681-11	ELECT 100uF 25V	(DB790: AEP, UK, AUS)
C768	1-126-934-11	ELECT 220uF 20% 16V	(DA1000ES)
C768	1-127-719-11	ELECT 220uF 20% 16V	(DB790: SP, MY, TW, KR, CH)
C768	1-135-710-11	ELECT 220uF 16V	(DB790: AEP, UK, AUS)
C805	1-135-655-11	ELECT 470uF 6.3V	
C807	1-126-965-11	ELECT 22uF 20% 50V	
C812	1-127-868-11	CERAMIC 2200PF 10% 50V	
C813	1-127-868-11	CERAMIC 2200PF 10% 50V	
C814	1-126-947-11	ELECT 47uF 20% 16V	
C815	1-126-947-11	ELECT 47uF 20% 16V	
C816	1-127-888-11	CERAMIC 0.1uF 10% 50V	
C817	1-126-947-11	ELECT 47uF 20% 35V	(DA1000ES)
C817	1-128-850-11	ELECT 47uF 20% 35V	(DB790: SP, MY, TW, KR, CH)
C817	1-135-775-11	ELECT 47uF 35V	(DB790: AEP, UK, AUS)
C818	1-128-551-11	ELECT 22uF 20% 63V	(DA1000ES)
C818	1-128-858-11	ELECT 22uF 20% 50V	(DB790: SP, MY, TW, KR, CH)
C818	1-135-703-11	ELECT 22uF 25V	(DB790: AEP, UK, AUS)
C819	1-128-551-11	ELECT 22uF 20% 63V	(DA1000ES)
C819	1-128-858-11	ELECT 22uF 20% 50V	(DB790: SP, MY, TW, KR, CH)
C819	1-135-703-11	ELECT 22uF 25V	(DB790: AEP, UK, AUS)
C821	1-127-876-11	CERAMIC 0.01uF 10% 50V	
C822	1-126-947-11	ELECT 47uF 20% 16V	
		< CONNECTOR >	
CN401	1-770-382-11	CONNECTOR, BOARD TO BOARD 12P	
CN402	1-573-852-11	CONNECTOR, BOARD TO BOARD 20P	
CN403	1-573-852-11	CONNECTOR, BOARD TO BOARD 20P	
CN404	1-573-852-11	CONNECTOR, BOARD TO BOARD 20P	
CN405	1-573-852-11	CONNECTOR, BOARD TO BOARD 20P	
CN406	1-766-715-21	CONNECTOR, BOARD TO BOARD 10P	
CN407	1-766-715-21	CONNECTOR, BOARD TO BOARD 10P	
CN408	1-766-715-21	CONNECTOR, BOARD TO BOARD 10P	
CN408	1-766-715-21	CONNECTOR, BOARD TO BOARD 10P	
* CN409	1-691-765-11	PLUG (MICRO CONNECTOR) 3P	
CN411	1-770-010-21	CONNECTOR, BOARD TO BOARD 4P	
CN412	1-770-722-11	CONNECTOR, BOARD TO BOARD 6P	
CN413	1-770-010-21	CONNECTOR, BOARD TO BOARD 4P	
CN416	1-564-320-00	PIN, CONNECTOR (3.96mm PITCH) 2P	(DA1000ES)

MAIN

Ref. No.	Part No.	Description	Remark
CN417	1-779-978-11	PIN, CONNECTOR 3P	
CN420	1-770-379-11	CONNECTOR, BOARD TO BOARD 6P	
CN421	1-770-379-11	CONNECTOR, BOARD TO BOARD 6P	
CN423	1-785-101-11	PIN, CONNECTOR (3.96mm PITCH) 3P	(DA1000ES)
* CN432	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P	
* CN482	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P	
CN501	1-770-382-11	CONNECTOR, BOARD TO BOARD 12P	
* CN532	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P	
* CN582	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P	
CN601	1-770-379-11	CONNECTOR, BOARD TO BOARD 6P	
* CN632	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P	
CN651	1-770-381-11	CONNECTOR, BOARD TO BOARD 10P	
* CN682	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P	
		< DIODE >	
D411	8-719-991-33	DIODE 1SS133T-77	
D431	8-719-991-33	DIODE 1SS133T-77	
D461	8-719-991-33	DIODE 1SS133T-77	
D481	8-719-991-33	DIODE 1SS133T-77	
D511	8-719-991-33	DIODE 1SS133T-77	
D531	8-719-991-33	DIODE 1SS133T-77	
D561	8-719-991-33	DIODE 1SS133T-77	
D581	8-719-991-33	DIODE 1SS133T-77	
D611	8-719-991-33	DIODE 1SS133T-77	
D631	8-719-991-33	DIODE 1SS133T-77	
D661	8-719-991-33	DIODE 1SS133T-77	
D681	8-719-991-33	DIODE 1SS133T-77	
D711	8-719-991-33	DIODE 1SS133T-77 (DA1000ES)	
D731	8-719-991-33	DIODE 1SS133T-77 (DA1000ES)	
D805	8-719-991-33	DIODE 1SS133T-77	
D807	8-719-991-33	DIODE 1SS133T-77	
D808	8-719-991-33	DIODE 1SS133T-77	
D810	8-719-991-33	DIODE 1SS133T-77	
D812	8-719-991-33	DIODE 1SS133T-77	
D814	8-719-991-33	DIODE 1SS133T-77	
D815	8-719-985-88	DIODE HZS6B2LTA	
D816	8-719-991-33	DIODE 1SS133T-77	
D817	8-719-991-33	DIODE 1SS133T-77	
D818	8-719-991-33	DIODE 1SS133T-77	
D819	8-719-991-33	DIODE 1SS133T-77	
D820	8-719-991-33	DIODE 1SS133T-77	
D821	8-719-110-56	DIODE RD22ESB1	
D822	8-719-110-56	DIODE RD22ESB1	
D823	8-719-922-45	DIODE MTZJ-T-73-5.6C	
		< GROUND TERMINAL >	
EB403	4-924-264-01	TERMINAL, MOUNT	
		< IC >	
IC401	6-702-387-01	IC CXD9725M	
IC402	8-759-167-88	IC NJM4565D	
IC501	6-702-387-01	IC CXD9725M	
IC502	8-759-167-88	IC NJM4565D	
IC601	6-702-387-01	IC CXD9725M	
IC602	8-759-167-88	IC NJM4565D	
IC651	6-702-387-01	IC CXD9725M	
IC652	8-759-167-88	IC NJM4565D	
IC804	8-759-243-51	IC TC74ACT08P	
IC805	8-759-243-51	IC TC74ACT08P	
		< TRANSISTOR >	
Q401	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q431	8-729-044-08	TRANSISTOR 2SD1915 (F) -T (TA).SO	
Q432	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q433	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q451	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q481	8-729-044-08	TRANSISTOR 2SD1915 (F) -T (TA).SO	
Q482	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q483	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q501	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q531	8-729-044-08	TRANSISTOR 2SD1915 (F) -T (TA).SO	
Q532	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q533	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q551	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q581	8-729-044-08	TRANSISTOR 2SD1915 (F) -T (TA).SO	
Q582	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q583	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q601	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q631	8-729-044-08	TRANSISTOR 2SD1915 (F) -T (TA).SO	
Q632	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q633	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q651	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q681	8-729-044-08	TRANSISTOR 2SD1915 (F) -T (TA).SO	
Q682	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q683	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q701	8-729-141-30	TRANSISTOR 2SC3623A-LK (DA1000ES)	
Q732	8-729-140-82	TRANSISTOR 2SA988-PAFAEA(DA1000ES)	
Q751	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q802	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q803	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q805	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
Q807	8-729-119-79	TRANSISTOR 2SC2785-FEK	
Q808	8-729-119-79	TRANSISTOR 2SC2785-FEK	
Q809	8-729-119-79	TRANSISTOR 2SC2785-FEK	
Q810	8-729-900-63	TRANSISTOR DTA124ES	
Q811	8-729-119-79	TRANSISTOR 2SC2785-FEK	
Q813	8-729-900-63	TRANSISTOR DTA124ES	
Q822	8-729-900-36	TRANSISTOR DTC124ES	
Q823	8-729-119-79	TRANSISTOR 2SC2785-FEK	
Q824	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q826	8-729-119-79	TRANSISTOR 2SC2785-FEK	
		< RESISTOR >	
R401	1-249-427-11	CARBON 6.8K 5% 1/4W	
R402	1-249-417-11	CARBON 1K 5% 1/4W	
R403	1-249-441-11	CARBON 100K 5% 1/4W	
R404	1-249-417-11	CARBON 1K 5% 1/4W	
⚠R412	1-249-405-11	CARBON 100 5% 1/4W	F
⚠R413	1-249-405-11	CARBON 100 5% 1/4W	F
⚠R414	1-234-182-11	ENCAPSULATED COMPONENT 0.22 5W	F (DA1000ES)
⚠R414	1-234-572-21	ENCAPSULATED COMPONENT 0.22 5W	F (DB790)
R415	1-249-437-11	CARBON 47K 5% 1/4W	
R416	1-249-441-11	CARBON 100K 5% 1/4W	

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Ne les remplacer que par une pièce portant le numéro spécifié.

以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

MAIN

Ref. No.	Part No.	Description			Remark
⚠R419	1-249-393-11	CARBON	10	5%	1/4W F
R431	1-249-414-11	CARBON	560	5%	1/4W
R432	1-249-422-11	CARBON	2.7K	5%	1/4W
⚠R435	1-240-855-11	CARBON	6.2K	5%	1/4W F
R436	1-249-425-11	CARBON	4.7K	5%	1/4W
R437	1-249-420-11	CARBON	1.8K	5%	1/4W
R438	1-249-439-11	CARBON	68K	5%	1/4W
R439	1-249-431-11	CARBON	15K	5%	1/4W
R443	1-249-437-11	CARBON	47K	5%	1/4W
R451	1-249-427-11	CARBON	6.8K	5%	1/4W
R457	1-249-417-11	CARBON	1K	5%	1/4W
R458	1-249-441-11	CARBON	100K	5%	1/4W
⚠R462	1-249-405-11	CARBON	100	5%	1/4W F
⚠R463	1-249-405-11	CARBON	100	5%	1/4W F
⚠R464	1-234-182-11	ENCAPSULATED COMPONENT 0.22			5W F (DA1000ES)
⚠R464	1-234-572-21	ENCAPSULATED COMPONENT 0.22			5W F (DB790)
R465	1-249-437-11	CARBON	47K	5%	1/4W
R466	1-249-441-11	CARBON	100K	5%	1/4W
⚠R469	1-249-393-11	CARBON	10	5%	1/4W F
R481	1-249-414-11	CARBON	560	5%	1/4W
R482	1-249-422-11	CARBON	2.7K	5%	1/4W
⚠R485	1-240-855-11	CARBON	6.2K	5%	1/4W F
R486	1-249-425-11	CARBON	4.7K	5%	1/4W
R487	1-249-420-11	CARBON	1.8K	5%	1/4W
R488	1-249-439-11	CARBON	68K	5%	1/4W
R489	1-249-431-11	CARBON	15K	5%	1/4W
R493	1-249-437-11	CARBON	47K	5%	1/4W
R501	1-249-427-11	CARBON	6.8K	5%	1/4W
R502	1-249-417-11	CARBON	1K	5%	1/4W
R503	1-249-441-11	CARBON	100K	5%	1/4W
R504	1-249-417-11	CARBON	1K	5%	1/4W
⚠R512	1-249-405-11	CARBON	100	5%	1/4W F
⚠R513	1-249-405-11	CARBON	100	5%	1/4W F
⚠R514	1-234-182-11	ENCAPSULATED COMPONENT 0.22			5W F (DA1000ES)
⚠R514	1-234-572-21	ENCAPSULATED COMPONENT 0.22			5W F (DB790)
R515	1-249-437-11	CARBON	47K	5%	1/4W
R516	1-249-441-11	CARBON	100K	5%	1/4W
⚠R519	1-249-393-11	CARBON	10	5%	1/4W F
R531	1-249-414-11	CARBON	560	5%	1/4W
R532	1-249-422-11	CARBON	2.7K	5%	1/4W
⚠R535	1-240-855-11	CARBON	6.2K	5%	1/4W F
R536	1-249-425-11	CARBON	4.7K	5%	1/4W
R537	1-249-420-11	CARBON	1.8K	5%	1/4W
R538	1-249-439-11	CARBON	68K	5%	1/4W
R539	1-249-431-11	CARBON	15K	5%	1/4W
R543	1-249-437-11	CARBON	47K	5%	1/4W
R551	1-249-427-11	CARBON	6.8K	5%	1/4W
R552	1-249-417-11	CARBON	1K	5%	1/4W
R553	1-249-441-11	CARBON	100K	5%	1/4W
⚠R562	1-249-405-11	CARBON	100	5%	1/4W F
⚠R563	1-249-405-11	CARBON	100	5%	1/4W F
⚠R564	1-234-182-11	ENCAPSULATED COMPONENT 0.22			5W F (DA1000ES)
⚠R564	1-234-572-21	ENCAPSULATED COMPONENT 0.22			5W F (DB790)
R565	1-249-437-11	CARBON	47K	5%	1/4W
R566	1-249-441-11	CARBON	100K	5%	1/4W
⚠R569	1-249-393-11	CARBON	10	5%	1/4W F
R581	1-249-414-11	CARBON	560	5%	1/4W
R582	1-249-422-11	CARBON	2.7K	5%	1/4W
⚠R585	1-240-855-11	CARBON	6.2K	5%	1/4W F
R586	1-249-425-11	CARBON	4.7K	5%	1/4W
R587	1-249-420-11	CARBON	1.8K	5%	1/4W
R588	1-249-439-11	CARBON	68K	5%	1/4W
R589	1-249-431-11	CARBON	15K	5%	1/4W
R593	1-249-437-11	CARBON	47K	5%	1/4W
R601	1-249-427-11	CARBON	6.8K	5%	1/4W
R602	1-249-417-11	CARBON	1K	5%	1/4W
R603	1-249-441-11	CARBON	100K	5%	1/4W
R604	1-249-417-11	CARBON	1K	5%	1/4W
⚠R612	1-249-405-11	CARBON	100	5%	1/4W F
⚠R613	1-249-405-11	CARBON	100	5%	1/4W F
⚠R614	1-234-182-11	ENCAPSULATED COMPONENT 0.22			5W F (DA1000ES)
⚠R614	1-234-572-21	ENCAPSULATED COMPONENT 0.22			5W F (DB790)
R615	1-249-437-11	CARBON	47K	5%	1/4W
R616	1-249-441-11	CARBON	100K	5%	1/4W
⚠R619	1-249-393-11	CARBON	10	5%	1/4W F
R631	1-249-414-11	CARBON	560	5%	1/4W
R632	1-249-422-11	CARBON	2.7K	5%	1/4W
⚠R635	1-240-855-11	CARBON	6.2K	5%	1/4W F
R636	1-249-425-11	CARBON	4.7K	5%	1/4W
R637	1-249-420-11	CARBON	1.8K	5%	1/4W
R638	1-249-439-11	CARBON	68K	5%	1/4W
R639	1-249-431-11	CARBON	15K	5%	1/4W
R643	1-249-437-11	CARBON	47K	5%	1/4W
R651	1-249-427-11	CARBON	6.8K	5%	1/4W
R652	1-249-417-11	CARBON	1K	5%	1/4W (DA1000ES)
R653	1-249-441-11	CARBON	100K	5%	1/4W (DA1000ES)
R654	1-249-417-11	CARBON	1K	5%	1/4W
⚠R662	1-249-405-11	CARBON	100	5%	1/4W F
⚠R663	1-249-405-11	CARBON	100	5%	1/4W F
⚠R664	1-234-182-11	ENCAPSULATED COMPONENT 0.22			5W F (DA1000ES)
⚠R664	1-234-572-21	ENCAPSULATED COMPONENT 0.22			5W F (DB790)
R665	1-249-437-11	CARBON	47K	5%	1/4W
R666	1-249-441-11	CARBON	100K	5%	1/4W
⚠R669	1-249-393-11	CARBON	10	5%	1/4W F
R681	1-249-414-11	CARBON	560	5%	1/4W
R682	1-249-422-11	CARBON	2.7K	5%	1/4W
⚠R685	1-240-855-11	CARBON	6.2K	5%	1/4W F
R686	1-249-425-11	CARBON	4.7K	5%	1/4W
R687	1-249-420-11	CARBON	1.8K	5%	1/4W
R688	1-249-439-11	CARBON	68K	5%	1/4W
R689	1-249-431-11	CARBON	15K	5%	1/4W
R693	1-249-437-11	CARBON	47K	5%	1/4W
R701	1-249-427-11	CARBON	6.8K	5%	1/4W (DA1000ES)

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MAIN PRI S-VIDEO

Ref. No.	Part No.	Description			Remark
R702	1-249-417-11	CARBON	1K	5%	1/4W
R703	1-249-441-11	CARBON	100K	5%	1/4W
R715	1-249-437-11	CARBON	47K	5%	1/4W (DA1000ES)
R716	1-249-441-11	CARBON	100K	5%	1/4W (DA1000ES)
⚠R719	1-249-393-11	CARBON	10	5%	1/4W F (DA1000ES)
R738	1-249-439-11	CARBON	68K	5%	1/4W (DA1000ES)
R739	1-249-431-11	CARBON	15K	5%	1/4W (DA1000ES)
R743	1-249-437-11	CARBON	47K	5%	1/4W (DA1000ES)
R751	1-249-427-11	CARBON	6.8K	5%	1/4W
R752	1-249-417-11	CARBON	1K	5%	1/4W
R753	1-249-441-11	CARBON	100K	5%	1/4W
R782	1-249-441-11	CARBON	100K	5%	1/4W
R802	1-249-417-11	CARBON	1K	5%	1/4W
R805	1-249-429-11	CARBON	10K	5%	1/4W
R806	1-249-433-11	CARBON	22K	5%	1/4W
R807	1-249-429-11	CARBON	10K	5%	1/4W
R812	1-249-421-11	CARBON	2.2K	5%	1/4W
R813	1-249-421-11	CARBON	2.2K	5%	1/4W
R814	1-249-421-11	CARBON	2.2K	5%	1/4W
R815	1-249-429-11	CARBON	10K	5%	1/4W
R816	1-249-429-11	CARBON	10K	5%	1/4W
R817	1-249-429-11	CARBON	10K	5%	1/4W
R818	1-249-429-11	CARBON	10K	5%	1/4W
R820	1-249-421-11	CARBON	2.2K	5%	1/4W
R821	1-249-429-11	CARBON	10K	5%	1/4W
⚠R824	1-215-867-00	METAL OXIDE	470	5%	1W F
⚠R825	1-215-867-00	METAL OXIDE	470	5%	1W F
R826	1-247-903-00	CARBON	1M	5%	1/4W
R827	1-249-417-11	CARBON	1K	5%	1/4W
R828	1-249-425-11	CARBON	4.7K	5%	1/4W
⚠R829	1-249-393-11	CARBON	10	5%	1/4W F
R833	1-247-903-00	CARBON	1M	5%	1/4W
R838	1-249-421-11	CARBON	2.2K	5%	1/4W
R839	1-249-429-11	CARBON	10K	5%	1/4W
⚠R841	1-249-399-11	CARBON	33	5%	1/4W F
⚠R846	1-249-399-11	CARBON	33	5%	1/4W F
R847	1-249-421-11	CARBON	2.2K	5%	1/4W
R848	1-249-429-11	CARBON	10K	5%	1/4W
⚠R849	1-249-393-11	CARBON	10	5%	1/4W F
R850	1-249-429-11	CARBON	10K	5%	1/4W
R851	1-249-427-11	CARBON	6.8K	5%	1/4W
R852	1-249-433-11	CARBON	22K	5%	1/4W
R853	1-249-433-11	CARBON	22K	5%	1/4W
		< VARIABLE RESISTOR >			
RV431	1-238-597-11	RES, ADJ, CARBON 1K			
RV481	1-238-597-11	RES, ADJ, CARBON 1K			
RV531	1-238-597-11	RES, ADJ, CARBON 1K			
RV581	1-238-597-11	RES, ADJ, CARBON 1K			
RV631	1-238-597-11	RES, ADJ, CARBON 1K			
RV681	1-238-597-11	RES, ADJ, CARBON 1K			

Ref. No.	Part No.	Description			Remark
		< RELAY >			
RY806	1-515-920-11	RELAY (24V)			
RY807	1-755-483-11	RELAY			
**********					
	1-689-173-11	PRI BOARD			
		**********			
		< CONNECTOR >			
* CN3	1-565-792-11	PIN, CONNECTOR (3.96mm PITCH) 2P			
**********					
	A-4733-530-A	S-VIDEO BOARD, COMPLETE (DA1000ES)			
	A-4733-550-A	S-VIDEO BOARD, COMPLETE (DB790)			
		**********			
		< CAPACITOR >			
C850	1-128-805-11	CERAMIC	47PF	5%	50V
C851	1-128-805-11	CERAMIC	47PF	5%	50V
C852	1-128-805-11	CERAMIC	47PF	5%	50V
C853	1-128-805-11	CERAMIC	47PF	5%	50V
C854	1-128-825-11	CERAMIC	2200PF	5%	50V
C855	1-136-165-00	MYLAR	0.1uF	5%	50V
C856	1-136-165-00	MYLAR	0.1uF	5%	50V
C857	1-136-165-00	MYLAR	0.1uF	5%	50V
C858	1-126-964-11	ELECT	10uF	20%	50V
C859	1-126-964-11	ELECT	10uF	20%	50V
C860	1-126-964-11	ELECT	10uF	20%	50V
C861	1-128-825-11	CERAMIC	2200PF	5%	50V
C862	1-128-825-11	CERAMIC	2200PF	5%	50V
C863	1-127-888-11	CERAMIC	0.1uF	10%	50V
C864	1-136-165-00	MYLAR	0.1uF	5%	50V
C867	1-127-888-11	CERAMIC	0.1uF	10%	50V
C869	1-127-888-11	CERAMIC	0.1uF	10%	50V
C870	1-126-964-11	ELECT	10uF	20%	50V
C872	1-127-888-11	CERAMIC	0.1uF	10%	50V
C877	1-127-888-11	CERAMIC	0.1uF	10%	50V (DA1000ES)
C878	1-126-916-11	ELECT	1000uF	20%	6.3V (DA1000ES)
C879	1-126-960-11	ELECT	1uF	20%	50V (DA1000ES)
C890	1-104-665-11	ELECT	100uF	20%	25V (DA1000ES)
		< CONNECTOR >			
CN851	1-766-719-41	CONNECTOR, BOARD TO BOARD 10P			
* CN853	1-564-720-11	PIN, CONNECTOR (SMALL TYPE) 4P			
CN854	1-573-825-11	CONNECTOR, BOARD TO BOARD 11P			
		< DIODE >			
D850	8-719-991-33	DIODE 1SS133T-77			
D851	8-719-991-33	DIODE 1SS133T-77			
D852	8-719-991-33	DIODE 1SS133T-77 (DA1000ES)			
D853	8-719-991-33	DIODE 1SS133T-77 (DA1000ES)			
		< IC >			
IC850	6-701-890-01	IC NJM2595D			
IC851	6-701-890-01	IC NJM2595D			

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S-VIDEO **SBL** **SEC1**

Ref. No.	Part No.	Description			Remark
IC852	8-759-822-05	IC LA7213 (DA1000ES)			
		< JACK >			
J850	1-794-937-11	CONNECTOR (DIN) 2P (VIDEO S-VIDEO DVD IN, TV/SAT IN)			
J851	1-537-943-11	CONNECTOR (DIN) 1P (VIDEO S-VIDEO MONITOR OUT)			
J852	1-794-937-11	CONNECTOR (DIN) 2P (VIDEO S-VIDEO VIDEO 1 IN/OUT)			
		< TRANSISTOR >			
Q850	8-729-030-02	TRANSISTOR	DTC144ESA (DA1000ES)		
Q851	8-729-201-53	TRANSISTOR	2SA1015TP-YGR		(DA1000ES)
		< RESISTOR >			
R854	1-247-804-11	CARBON	75	5%	1/4W
R855	1-247-804-11	CARBON	75	5%	1/4W
R856	1-247-804-11	CARBON	75	5%	1/4W
R857	1-247-804-11	CARBON	75	5%	1/4W
R858	1-247-804-11	CARBON	75	5%	1/4W
R859	1-247-804-11	CARBON	75	5%	1/4W
R860	1-247-804-11	CARBON	75	5%	1/4W
R861	1-247-804-11	CARBON	75	5%	1/4W
R862	1-247-804-11	CARBON	75	5%	1/4W
R863	1-247-804-11	CARBON	75	5%	1/4W
R864	1-247-883-00	CARBON	150K	5%	1/4W (DA1000ES)
R865	1-249-411-11	CARBON	330	5%	1/4W (DA1000ES)
R866	1-249-421-11	CARBON	2.2K	5%	1/4W (DA1000ES)
R867	1-249-429-11	CARBON	10K	5%	1/4W (DA1000ES)
		< RELAY >			
RY850	1-755-359-11	RELAY (DA1000ES)			
**********					
	A-4733-518-A	SBL BOARD, COMPLETE (DA1000ES)			
		**********			
		< CAPACITOR >			
C731	1-126-947-11	ELECT	47uF	20%	35V
C732	1-128-813-11	CERAMIC	220PF	5%	50V
C2701	1-137-505-11	FILM	220PF	5%	100V
C2702	1-128-551-11	ELECT	22uF	20%	63V
C2704	1-126-934-11	ELECT	220uF	20%	16V
C2705	1-126-940-11	ELECT	330uF	20%	25V
C2706	1-102-230-00	CERAMIC	4PF	0.25PF	500V
C2707	1-102-233-00	CERAMIC	33PF	10%	500V
C2708	1-137-383-11	MYLAR	220PF	5%	100V
C2807	1-128-582-11	ELECT	10uF	20%	100V
C2808	1-128-582-11	ELECT	10uF	20%	100V
		< CONNECTOR >			
CN732	1-564-718-11	PIN, CONNECTOR (SMALL TYPE) 2P			
CN2701	1-778-227-41	CONNECTOR, BOARD TO BOARD 6P			
CN2703	1-770-011-41	CONNECTOR, BOARD TO BOARD 4P			

Ref. No.	Part No.	Description			Remark
		< DIODE >			
D2701	8-719-109-89	DIODE RD5.6ESB2			
		< TRANSISTOR >			
Q731	8-729-044-08	TRANSISTOR	2SD1915 (F) -T (TA).SO		
Q733	8-729-140-82	TRANSISTOR	2SA988-PAFAEA		
Q2701	8-729-045-15	TRANSISTOR	2SC5169-FG		
Q2703	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q2704	8-729-199-22	TRANSISTOR	2SA992-FA		
Q2705	8-729-021-74	TRANSISTOR	2SA949-OY		
Q2706	8-729-021-73	TRANSISTOR	2SC2229-OY		
		< RESISTOR >			
⚠R712	1-249-405-11	CARBON	100	5%	1/4W F
⚠R713	1-249-405-11	CARBON	100	5%	1/4W F
⚠R714	1-234-182-11	ENCAPSULATED COMPONENT	0.22	5%	5W F
R731	1-249-414-11	CARBON	560	5%	1/4W
R732	1-249-422-11	CARBON	2.7K	5%	1/4W
⚠R735	1-240-855-11	CARBON	6.2K	5%	1/4W F
R736	1-249-425-11	CARBON	4.7K	5%	1/4W
R737	1-249-420-11	CARBON	1.8K	5%	1/4W
R2701	1-249-417-11	CARBON	1K	5%	1/4W
R2702	1-249-438-11	CARBON	56K	5%	1/4W
R2703	1-249-411-11	CARBON	330	5%	1/4W
R2704	1-249-418-11	CARBON	1.2K	5%	1/4W
R2705	1-249-425-11	CARBON	4.7K	5%	1/4W
R2706	1-249-418-11	CARBON	1.2K	5%	1/4W
R2707	1-249-414-11	CARBON	560	5%	1/4W
R2708	1-247-843-11	CARBON	3.3K	5%	1/4W
R2709	1-249-560-31	CARBON	2.2K	5%	1/4W
R2710	1-249-594-31	CARBON	56K	5%	1/4W
R2711	1-249-441-11	CARBON	100K	5%	1/4W
R2712	1-249-441-11	CARBON	100K	5%	1/4W
⚠R2713	1-249-413-11	CARBON	470	5%	1/4W F
⚠R2714	1-249-406-11	CARBON	120	5%	1/4W F
⚠R2715	1-249-406-11	CARBON	120	5%	1/4W F
R2716	1-249-435-11	CARBON	33K	5%	1/4W
⚠R2717	1-249-393-11	CARBON	10	5%	1/4W F
⚠R2718	1-249-393-11	CARBON	10	5%	1/4W F
R2719	1-249-407-11	CARBON	150	5%	1/4W
		< VARIABLE RESISTOR >			
RV731	1-238-597-11	RES, ADJ, CARBON 1K			
**********					
	1-689-174-11	SEC1 BOARD			
		**********			
		< CONNECTOR >			
CN52	1-785-103-11	PIN, CONNECTOR (3.96mm PITCH) 5P			
CN53	1-691-765-31	PLUG (MICRO CONNECTOR) 3P			
**********					

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SEC3 **SP-A** **SP-B**

Ref. No.	Part No.	Description				Remark
	1-689-176-11	SEC3 BOARD				
		**********				
		< CONNECTOR >				
CN57	1-691-766-11	PLUG (MICRO CONNECTOR) 4P				
CN58	1-691-765-11	PLUG (MICRO CONNECTOR) 3P				
**********						
	1-688-636-11	SP-A BOARD				
		**********				
		< CAPACITOR >				
C443	1-127-872-11	CERAMIC	4700PF	10%	50V	(DB790)
C444	1-128-809-11	CERAMIC	100PF	5%	50V	(DA1000ES)
C444	1-128-817-11	CERAMIC	470PF	5%	50V	(DB790)
C448	1-128-809-11	CERAMIC	100PF	5%	50V	(DA1000ES)
C448	1-128-817-11	CERAMIC	470PF	5%	50V	(DB790)
C449	1-127-872-11	CERAMIC	4700PF	10%	50V	(DB790)
C493	1-127-872-11	CERAMIC	4700PF	10%	50V	(DB790)
C498	1-128-809-11	CERAMIC	100PF	5%	50V	(DA1000ES)
C498	1-128-817-11	CERAMIC	470PF	5%	50V	(DB790)
C499	1-127-872-11	CERAMIC	4700PF	10%	50V	(DB790)
C548	1-128-809-11	CERAMIC	100PF	5%	50V	(DA1000ES)
C548	1-128-817-11	CERAMIC	470PF	5%	50V	(DB790)
C549	1-127-872-11	CERAMIC	4700PF	10%	50V	(DB790)
C598	1-128-809-11	CERAMIC	100PF	5%	50V	(DA1000ES)
C598	1-128-817-11	CERAMIC	470PF	5%	50V	(DB790)
C599	1-127-872-11	CERAMIC	4700PF	10%	50V	(DB790)
C698	1-128-809-11	CERAMIC	100PF	5%	50V	(DA1000ES)
C698	1-128-817-11	CERAMIC	470PF	5%	50V	(DB790)
		< CONNECTOR >				
CN447	1-770-011-41	CONNECTOR, BOARD TO BOARD 4P				
CN448	1-770-011-41	CONNECTOR, BOARD TO BOARD 4P				
* CN449	1-770-727-11	CONNECTOR, BOARD TO BOARD 8P				
CN450	1-770-011-41	CONNECTOR, BOARD TO BOARD 4P				
		< DIODE >				
D444	8-719-991-33	DIODE 1SS133T-77				
D449	8-719-991-33	DIODE 1SS133T-77				
D549	8-719-991-33	DIODE 1SS133T-77				

Ref. No.	Part No.	Description				Remark
		< COIL >				
L449	1-420-872-52	COIL, AIR-CORE				
L499	1-420-872-52	COIL, AIR-CORE				
L549	1-420-872-52	COIL, AIR-CORE				
L599	1-420-872-52	COIL, AIR-CORE				
		< RESISTOR >				
⚠R443	1-249-393-11	CARBON	10	5%	1/4W F	(DB790)
⚠R444	1-249-393-11	CARBON	10	5%	1/4W F	
⚠R447	1-249-393-11	CARBON	10	5%	1/4W F	
⚠R448	1-249-393-11	CARBON	10	5%	1/4W F	(DB790)
⚠R449	1-249-393-11	CARBON	10	5%	1/4W F	
⚠R493	1-249-393-11	CARBON	10	5%	1/4W F	(DB790)
⚠R498	1-249-393-11	CARBON	10	5%	1/4W F	(DB790)
⚠R499	1-249-393-11	CARBON	10	5%	1/4W F	
⚠R547	1-249-393-11	CARBON	10	5%	1/4W F	
⚠R548	1-249-393-11	CARBON	10	5%	1/4W F	(DB790)
⚠R549	1-249-393-11	CARBON	10	5%	1/4W F	
⚠R598	1-249-393-11	CARBON	10	5%	1/4W F	(DB790)
⚠R599	1-249-393-11	CARBON	10	5%	1/4W F	
		< RELAY >				
RY444	1-515-920-11	RELAY (24V)				
RY449	1-515-920-11	RELAY (24V)				
RY549	1-515-920-11	RELAY (24V)				
		< TERMINAL >				
TM449	1-780-033-11	TERMINAL BOARD (SP) (8P) (SPEAKERS FRONT B, SURR)				(DA1000ES)
TM449	1-780-033-21	TERMINAL BOARD (SP) (8P) (SPEAKERS FRONT B, SURR)				(DB790)
TM699	1-694-933-12	TERMINAL BOARD (SP) (4P) (SPEAKERS FRONT A)				(DA1000ES)
TM699	1-694-933-21	TERMINAL BOARD (SP) (4P) (SPEAKERS FRONT A)				(DB790)
**********						
	1-688-637-11	SP-B BOARD				
		**********				
		< CAPACITOR >				
C210	1-127-868-11	CERAMIC	2200PF	10%	50V	
C494	1-128-809-11	CERAMIC	100PF	5%	50V	(DA1000ES)
C494	1-128-817-11	CERAMIC	470PF	5%	50V	(DB790)
C648	1-128-809-11	CERAMIC	100PF	5%	50V	(DA1000ES)
C699	1-127-872-11	CERAMIC	4700PF	10%	50V	(DB790)
C748	1-128-809-11	CERAMIC	100PF	5%	50V	(DA1000ES)
C748	1-128-817-11	CERAMIC	470PF	5%	50V	(DB790)

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Ref. No.	Part No.	Description			Remark
C749	1-127-872-11	CERAMIC	4700PF	10%	50V (DB790)
		< CONNECTOR >			
CN443	1-770-011-41	CONNECTOR, BOARD TO BOARD 4P			
CN444	1-770-726-11	CONNECTOR, BOARD TO BOARD 6P			
CN451	1-770-011-41	CONNECTOR, BOARD TO BOARD 4P			
		< DIODE >			
D649	8-719-991-33	DIODE 1SS133T-77 (DA1000ES)			
D699	8-719-991-33	DIODE 1SS133T-77			
		< JACK >			
J203	1-770-377-31	JACK, PIN 1P (SUB WOOFER)			
		< COIL >			
L649	1-420-872-52	COIL, AIR-CORE (DA1000ES)			
L699	1-420-872-52	COIL, AIR-CORE			
L749	1-420-872-52	COIL, AIR-CORE			
		< RESISTOR >			
R209	1-249-417-11	CARBON	1K	5%	1/4W
⚠R648	1-249-393-11	CARBON	10	5%	1/4W F (DA1000ES)
⚠R649	1-249-393-11	CARBON	10	5%	1/4W F (DA1000ES)
⚠R697	1-249-393-11	CARBON	10	5%	1/4W F
⚠R698	1-249-393-11	CARBON	10	5%	1/4W F (DB790)
⚠R699	1-249-393-11	CARBON	10	5%	1/4W F
⚠R748	1-249-393-11	CARBON	10	5%	1/4W F (DB790)
⚠R749	1-249-393-11	CARBON	10	5%	1/4W F
		< RELAY >			
RY649	1-515-920-11	RELAY (24V) (DA1000ES)			
RY699	1-515-920-11	RELAY (24V)			
		< TERMINAL >			
TM444	1-694-933-21	TERMINAL BOARD (SP) (4P) (SPEAKERS CENTER, SURROUND BACK) (DB790)			
TM444	1-780-038-11	TERMINAL BOARD (SP) (6P) (SPEAKERS CENTER, SURR BACK) (DA1000ES)			
**********					
	1-689-177-11	STAY BOARD (DB790)			
		**********			
		< CONNECTOR >			
CN2704	1-778-227-41	CONNECTOR, BOARD TO BOARD 6P			
**********					
	1-689-747-11	STAY2 BOARD (DB790)			
		**********			
		< CONNECTOR >			
CN2705	1-770-011-41	CONNECTOR, BOARD TO BOARD 4P			
**********					
	1-689-748-11	STAY3 BOARD			
		**********			
		< CONNECTOR >			
CN2706	1-770-011-41	CONNECTOR, BOARD TO BOARD 4P			
CN2707	1-770-011-41	CONNECTOR, BOARD TO BOARD 4P			
**********					
	1-689-784-11	STAY4 BOARD			
		**********			
		< CONNECTOR >			
CN452	1-770-011-41	CONNECTOR, BOARD TO BOARD 4P			
CN453	1-770-011-41	CONNECTOR, BOARD TO BOARD 4P			
**********					
		TH BOARD			
		*********			
		< CONNECTOR >			
CN911	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P			
		< THERMISTOR >			
THP901	1-817-728-11	SENSOR, THERMISTOR			
**********					
	1-688-645-11	VIDEO BOARD			
		**********			
		< CAPACITOR >			
C301	1-128-805-11	CERAMIC	47PF	5%	50V
C302	1-127-868-11	CERAMIC	2200PF	10%	50V
C303	1-126-964-11	ELECT	10uF	20%	50V
C304	1-127-868-11	CERAMIC	2200PF	10%	50V
C305	1-128-805-11	CERAMIC	47PF	5%	50V
C306	1-126-964-11	ELECT	10uF	20%	50V
C307	1-128-805-11	CERAMIC	47PF	5%	50V
C308	1-127-868-11	CERAMIC	2200PF	10%	50V
C309	1-126-964-11	ELECT	10uF	20%	50V
C310	1-126-964-11	ELECT	10uF	20%	50V
C311	1-127-888-11	CERAMIC	0.1uF	10%	50V
C313	1-126-964-11	ELECT	10uF	20%	50V
C315	1-127-888-11	CERAMIC	0.1uF	10%	50V
		< CONNECTOR >			
CN301	1-766-719-41	CONNECTOR, BOARD TO BOARD 10P			
		< DIODE >			
D301	8-719-991-33	DIODE 1SS133T-77			
D302	8-719-991-33	DIODE 1SS133T-77			
		< IC >			
IC301	6-701-890-01	IC NJM2595D			
		< JACK >			
J302	1-794-970-11	JACK, PIN 1P (VIDEO MONITOR OUT)			
J304	1-794-978-11	JACK, PIN 3P (VIDEO VIDEO 1 IN, VIDEO 1 OUT, VIDEO 2 IN)			

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VIDEO | VIDEO-AU | VOL

Ref. No.	Part No.	Description				Remark
J305	1-794-978-11	JACK, PIN 3P (VIDEO VIDEO 2 OUT, DVD IN, TV/SAT IN)				
		< RESISTOR >				
R301	1-247-804-11	CARBON	75	5%	1/4W	
R302	1-247-804-11	CARBON	75	5%	1/4W	
R303	1-247-804-11	CARBON	75	5%	1/4W	
R304	1-247-804-11	CARBON	75	5%	1/4W	
R305	1-247-804-11	CARBON	75	5%	1/4W	
R306	1-247-804-11	CARBON	75	5%	1/4W	
R307	1-247-804-11	CARBON	75	5%	1/4W	
**********						
		VIDEO-AU BOARD				
		**********				
		< CAPACITOR >				
C201	1-127-868-11	CERAMIC	2200PF	10%	50V	
C211	1-127-880-11	CERAMIC	0.022uF	10%	50V	
C212	1-127-880-11	CERAMIC	0.022uF	10%	50V	
C213	1-128-809-11	CERAMIC	100PF	5%	50V	
C214	1-127-876-11	CERAMIC	0.01uF	10%	50V	
C215	1-127-868-11	CERAMIC	2200PF	10%	50V	
		< CONNECTOR >				
CN201	1-766-719-41	CONNECTOR, BOARD TO BOARD 10P				
* CN202	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P				
		< IC >				
IC201	8-759-582-65	IC TC9273N-014				
		< JACK >				
J201	1-774-411-11	JACK, PIN 6P (VIDEO AUDIO VIDEO 2 OUT, DVD IN, TV/SAT IN)				
J202	1-774-411-11	JACK, PIN 6P (VIDEO AUDIO VIDEO 1 IN, VIDEO 1 OUT, VIDEO 2 IN)				
		< RESISTOR >				
R201	1-249-417-11	CARBON	1K	5%	1/4W	
R202	1-249-417-11	CARBON	1K	5%	1/4W	
R203	1-249-421-11	CARBON	2.2K	5%	1/4W	
R204	1-249-417-11	CARBON	1K	5%	1/4W	
R205	1-249-421-11	CARBON	2.2K	5%	1/4W	
R206	1-249-417-11	CARBON	1K	5%	1/4W	
⚠R207	1-249-399-11	CARBON	33	5%	1/4W	F
⚠R208	1-249-399-11	CARBON	33	5%	1/4W	F
R211	1-249-417-11	CARBON	1K	5%	1/4W	
R251	1-249-417-11	CARBON	1K	5%	1/4W	
R252	1-249-417-11	CARBON	1K	5%	1/4W	
R253	1-249-421-11	CARBON	2.2K	5%	1/4W	
R254	1-249-417-11	CARBON	1K	5%	1/4W	
R255	1-249-421-11	CARBON	2.2K	5%	1/4W	
R256	1-249-417-11	CARBON	1K	5%	1/4W	
**********						

Ref. No.	Part No.	Description	Remark
		VOL BOARD	
		**********	
		< CONNECTOR >	
CN1060	1-779-978-11	PIN, CONNECTOR 3P	
		< ROTARY ENCODER >	
RV1060	1-418-725-41	ENCODER, ROTARY (12 TYPE) (MASTER VOLUME)	
**********			
		MISCELLANEOUS	
		**********	
⚠53	1-696-847-21	CORD, POWER (AUS)	
⚠53	1-769-079-22	CORD, POWER (KR)	
⚠53	1-769-743-11	CORD, POWER (CND)	
⚠53	1-777-071-23	CORD, POWER (AEP, UK, SP, MY)	
⚠53	1-782-464-22	CORD, POWER (CH)	
⚠53	1-783-820-11	CORD, POWER (US)	
⚠53	1-827-597-41	CORD, POWER (TW)	
108	1-769-938-11	WIRE (FLAT TYPE) (11 CORE) (DA1000ES/DB790: SP, MY, TW, KR, AUS, CH)	
108	1-773-002-11	WIRE (FLAT TYPE) (15 CORE) (AEP, UK)	
354	1-773-270-11	WIRE (FLAT TYPE) (27 CORE)	
F1	1-532-504-51	FUSE (4A/250V) (DB790: AEP, UK, SP, MY, KR, AUS, CH)	
F1	1-533-312-11	FUSE, GLASS CYLINDRICAL (DIA.5) (10A/125V) (DA1000ES/DB790: TW)	
F2	1-532-464-51	FUSE (T2.5AL/250V) (DB790: SP, MY)	
F2	1-533-312-11	FUSE, GLASS CYLINDRICAL (DIA.5) (10A/125V) (DA1000ES)	
F903	1-532-504-51	FUSE (4A/250V) (DB790)	
F903	1-576-108-11	FUSE (4A/125V) (DA1000ES)	
F904	1-532-504-51	FUSE (4A/250V) (DB790)	
F904	1-576-108-11	FUSE (4A/125V) (DA1000ES)	
IC952	8-759-231-53	IC M5F7805L	
IC953	8-759-231-53	IC M5F7805L	
IC954	8-759-245-87	IC M5F7915L	
IC955	8-759-231-59	IC M5F7815L	
Q402	6-702-390-01	IC MN2488-OPY-MK	
Q403	6-702-391-01	IC MP1620-OPY-MK	
Q452	6-702-390-01	IC MN2488-OPY-MK	
Q453	6-702-391-01	IC MP1620-OPY-MK	
Q502	6-702-390-01	IC MN2488-OPY-MK	
Q503	6-702-391-01	IC MP1620-OPY-MK	
Q552	6-702-390-01	IC MN2488-OPY-MK	
Q553	6-702-391-01	IC MP1620-OPY-MK	
Q602	6-702-390-01	IC MN2488-OPY-MK	
Q603	6-702-391-01	IC MP1620-OPY-MK	
Q652	6-702-390-01	IC MN2488-OPY-MK	
Q653	6-702-391-01	IC MP1620-OPY-MK	
Q702	6-702-390-01	IC MN2488-OPY-MK	
Q703	6-702-391-01	IC MP1620-OPY-MK	
⚠T901	1-439-800-11	TRANSFORMER, POWER (DB790: CH)	
⚠T901	1-439-801-11	TRANSFORMER, POWER (DB790: TW)	
⚠T901	1-439-802-11	TRANSFORMER, POWER (DA1000ES)	
⚠T901	1-439-803-11	TRANSFORMER, POWER (DB790: AEP, UK, SP, MY, KR, AUS)	

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Ref. No.	Part No.	Description	Remark
TU301	1-693-577-21	TUNER (DA1000ES)	
TU301	1-693-578-21	TUNER (DB790: AEP, UK)	
TU301	1-693-580-23	TUNER (DB790: SP, MY, TW, KR, AUS, CH)	
**********			
		ACCESSORIES	
		**********	
	1-477-793-11	COMMANDER, STANDARD (RM-PP412)	(DB790)
	1-477-843-11	COMMANDER, STANDARD (RM-LG112)	(DA1000ES)
	1-501-374-72	ANTENNA, LOOP (AM)	
	1-501-807-12	ANTENNA (FM)	
⚠	1-770-019-11	ADAPTOR, CONVERSION PLUG 3P	(DB790: UK, AUS)
	1-793-184-21	CONNECTOR (F TYPE ADAPTOR) (FM)	(DA1000ES)
	3-071-119-01	COVER, BATTERY (for REMOTE COMMANDER)	
	4-246-802-11	MANUAL, INSTRUCTION (ENGLISH)	(DA1000ES/DB790: AEP, UK, AUS, SP, MY, TW)
	4-246-802-21	MANUAL, INSTRUCTION (FRENCH)	(DA1000ES: CND/DB790: AEP, SP, MY)
	4-246-802-31	MANUAL, INSTRUCTION (SPANISH)	(DB790: AEP, SP, MY)
	4-246-802-41	MANUAL, INSTRUCTION	(GERMAN, DUTCH, ITALIAN) (DB790: AEP)
	4-246-802-51	MANUAL, INSTRUCTION (SWEDISH, POLISH)	(DB790: AEP)
	4-246-802-61	MANUAL, INSTRUCTION (TRADITIONAL	CHINESE) (DB790: SP, MY, TW)
	4-246-802-71	MANUAL, INSTRUCTION (KOREAN)	(DB790: KR)
	4-247-240-11	MANUAL (1-2), INSTRUCTION (PORTUGUESE)	(DB790: AEP)
	4-247-240-21	MANUAL (1-2), INSTRUCTION	(DANISH, FINNISH) (DB790: AEP)
	4-247-240-31	MANUAL (1-2), INSTRUCTION (RUSSIAN)	(DB790: AEP)
	4-247-240-41	MANUAL (1-2), INSTRUCTION (GREEK)	(DB790: AEP)
	4-247-240-51	MANUAL (1-2), INSTRUCTION	(HUNGARIAN, CZECH) (DB790: AEP)
	4-247-240-61	MANUAL (1-2), INSTRUCTION (SLOVAKIAN)	(DB790: AEP)
	4-247-243-11	MANUAL (LG112), INSTRUCTION (ENGLISH)	(DA1000ES)
	4-247-243-21	MANUAL (LG112), INSTRUCTION (FRENCH)	(DA1000ES: CND)
	4-247-244-11	MANUAL (PP412), INSTRUCTION (ENGLISH)	(DB790: AEP, UK, AUS, SP, MY)
	4-247-244-21	MANUAL (PP412), INSTRUCTION (FRENCH)	(DB790: AEP, SP, MY)
	4-247-244-31	MANUAL (PP412), INSTRUCTION (SPANISH)	(DB790: AEP, SP, MY)
	4-247-244-41	MANUAL (PP412), INSTRUCTION (GERMAN,	DUTCH, SWEDISH, ITALIAN, POLISH) (DB790: AEP)
	4-247-244-51	MANUAL (PP412), INSTRUCTION	(TRADITIONAL CHINESE) (DB790: SP, MY, TW)
	4-247-244-61	MANUAL (PP412), INSTRUCTION	(KOREAN) (DB790: KR)
	4-247-244-71	MANUAL (PP412), INSTRUCTION	(PORTUGUESE, DANISH, FINNISH, RUSSIAN) (DB790: AEP)
	4-247-244-81	MANUAL (PP412), INSTRUCTION (GREEK,	HUNGARIAN, CZECH, TURKISH, SLOVAKIAN) (DB790: AEP)
	4-250-659-11	MANUAL, INSTRUCTION (CHINESE)	(DB790: CH)

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

MEMO

STR-DA1000ES/DB790

SONY

SERVICE MANUAL

Ver. 1.5 2006.11

US Model
Canadian Model
STR-DA1000ES
AEP Model
UK Model
E Model
Australian Model
Chinese Model
STR-DB790

SUPPLEMENT-1

File this supplement with the service manual.

Subject: Change of MAIN board (Suffix-15)
Change of specified value for bias adjustment according to change in MAIN board

In this set, MAIN board has been changed in the midway of production.
Moreover, specified value for bias adjustment has been changed at the same time as changing MAIN board.
Only new MAIN board and bias adjustment corresponding to new MAIN board have been described.
Refer to original service manual for other information.

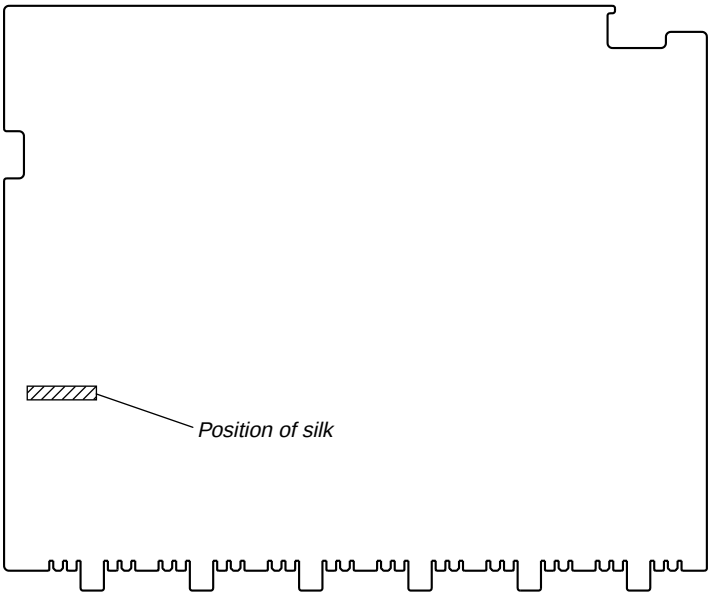
1. NEW/FORMER DISCRIMINATION

Perform after confirming which type set of the repair referring to the following.

	Printed on Silk	Remark
Former type	1-688-629-11, -12	Refer to original service manual
New type	1-688-629-13, -14, -15	Refer to service manual supplement-1

Note 1: In original service manual, only suffix-11 has been described.
Note 2: In service manual supplement-1, only suffix-15 has been described.

– MAIN Board (Component Side) –



9-877-370-81

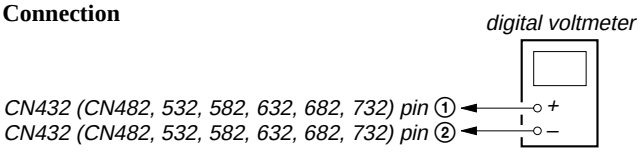
2. ELECTRICAL ADJUSTMENT

BIAS ADJUSTMENT

Condition:

input signal: no signal (no load)
volume: minimum

Connection



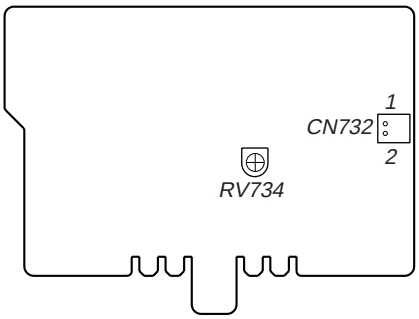
Procedure:

1. Connect a digital voltmeter to the CN432 (CN482, CN532, CN582, CN632, CN682) on the MAIN board or CN732 on the SBL board (STR-DA1000ES only).
2. Press the I/⏻ button to turn on the main power.
3. Adjust the RV431 (RV481, RV531, RV581, RV631, RV681) on the MAIN board or RV731 on the SBL board (STR-DA1000ES only) so that the digital voltmeter reading is 8±2 mV.

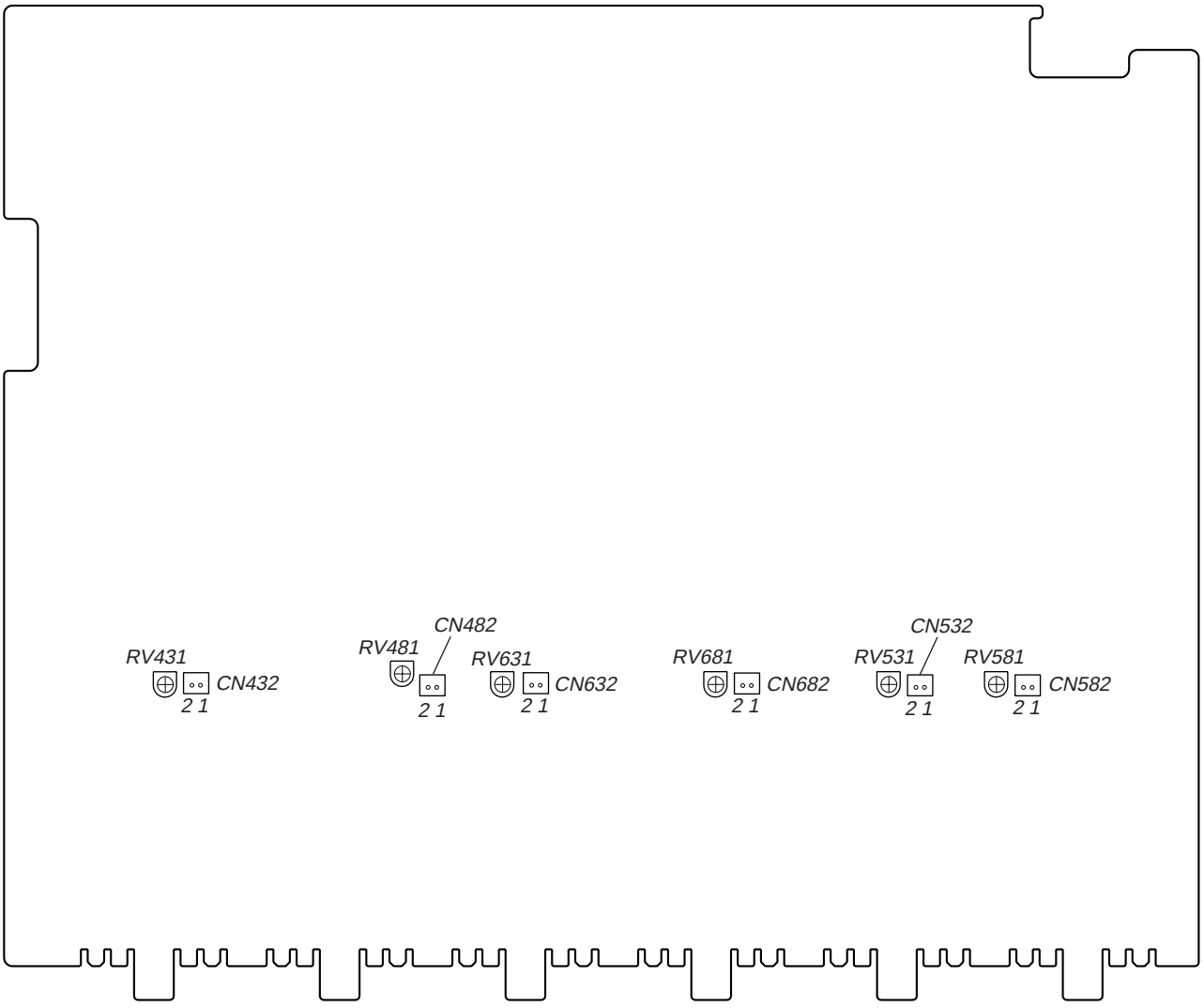
Note: When the adjusting voltage is higher than 8±2 mV, adjust the voltage to the minimum voltage.

Adjustment and Connection Loacation:

– SBL BOARD (Component Side) –



– MAIN BOARD (Component Side) –



3. DIAGRAMS

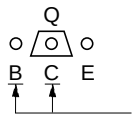
- **Note for Printed Wiring Boards and Schematic Diagrams**

Note on Printed Wiring Board:

- ○——— : parts extracted from the component side.
- ——— : parts extracted from the conductor side.
- ▭ : Pattern from the side which enables seeing.

(The other layers' patterns are not indicated.)

- Indication of transistor



These are omitted.

Note on Schematic Diagram:

- All capacitors are in μF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- ⊣▭⊢ : nonflammable resistor.

Note:	**Note:**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

原理图和零件清单中标有⚠记号的零部件、或带有⚠记号的虚线所圈示的零部件，对于维系安全至关重要。因此只能以指定号码的零部件来更换。

- ▬ : B+ Line.
- ▬ ▬ : B– Line.
- ▭ : adjustment for repair.
- Voltages are dc with respect to ground under no-signal conditions.
  no mark : TUNER
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : TUNER
  ⇨ : AUDIO (ANALOG)
  ⇨ : VIDEO
- Abbreviation
  AUS : Australian model
  CH : Chinese model
  KR : Korean model
  MY : Malaysia model
  SP : Singapore model
  TW : Taiwan model

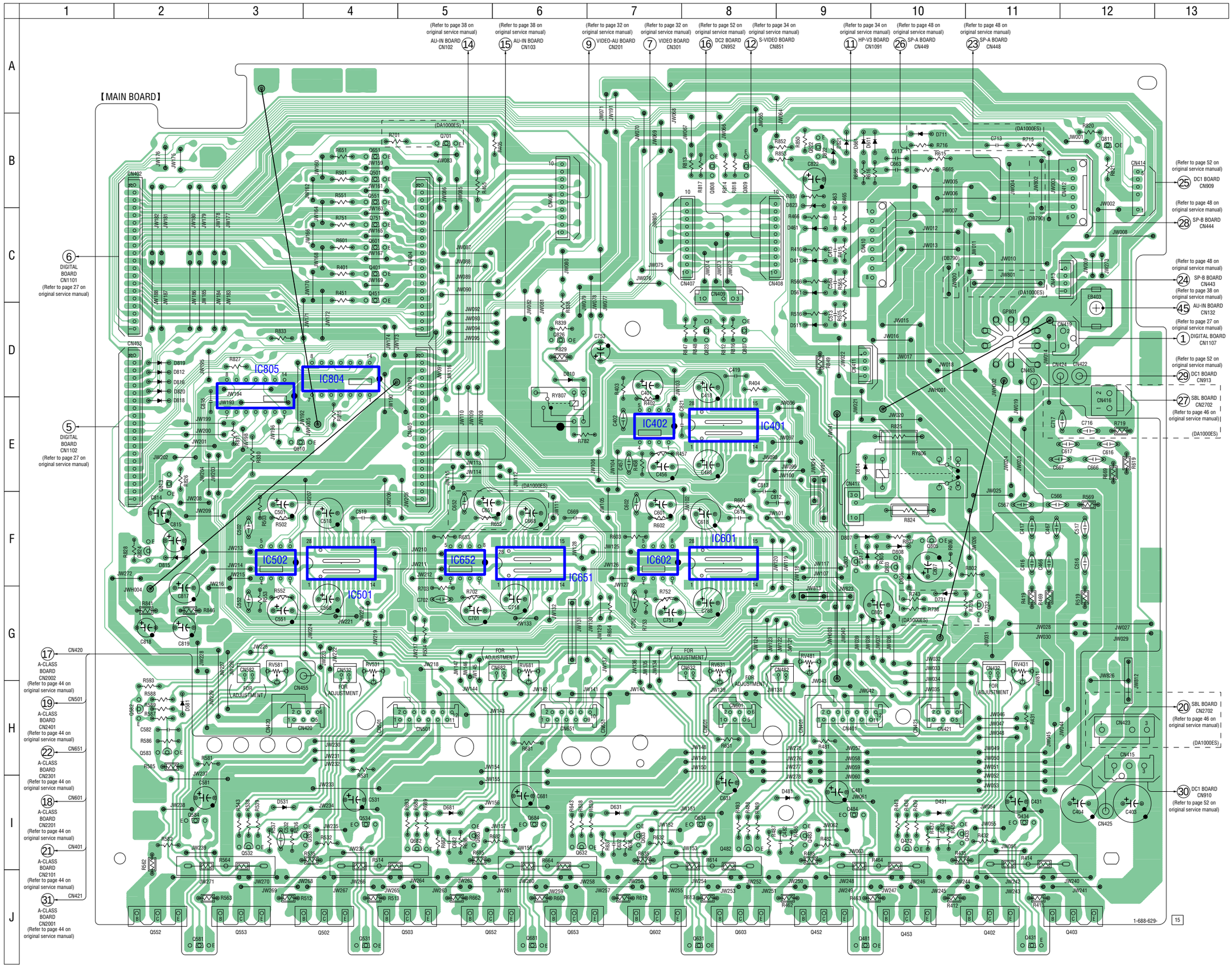
- **Semiconductor Location**

– MAIN Board –

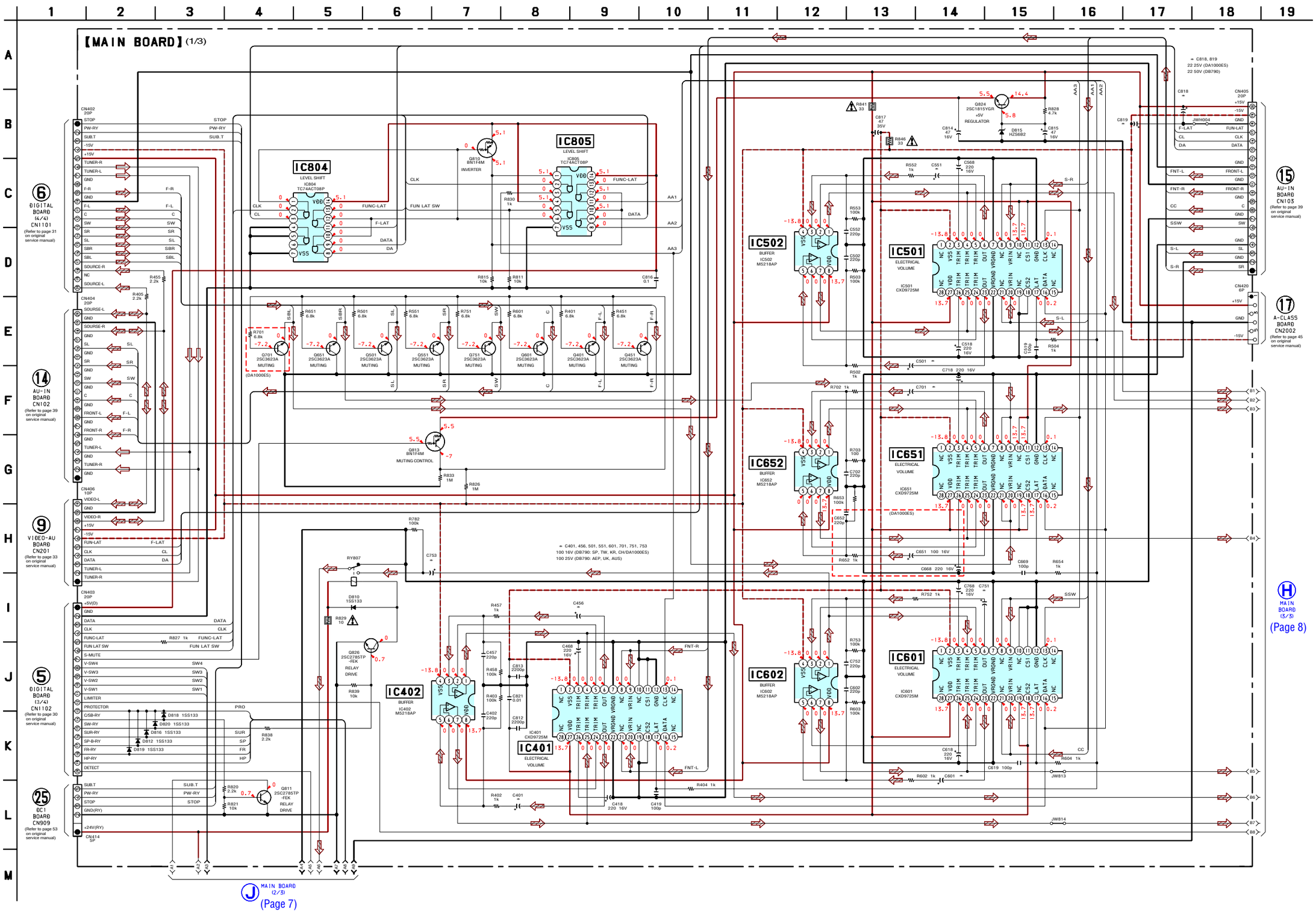
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D411	C-9	IC502	F-3	Q582	H-2
D431	I-10	IC601	F-8	Q583	H-2
D461	C-9	IC602	F-7	Q584	I-2
D481	I-9	IC651	F-6	Q601	C-4
D511	D-9	IC652	F-5	Q602	J-7
D531	I-3	IC804	D-4	Q603	J-8
D561	C-9	IC805	D-3	Q631	J-8
D581	H-2			Q632	I-6
D611	B-10	Q401	C-4	Q633	I-7
D631	I-7	Q402	J-11	Q634	I-8
D661	B-9	Q403	J-12	Q651	B-4
D681	I-5	Q431	J-11	Q652	J-5
D711	B-10	Q432	I-10	Q653	J-6
D731	G-10	Q433	I-10	Q681	J-6
D805	F-10	Q434	I-11	Q682	I-5
D807	F-9	Q451	C-4	Q683	I-5
D808	F-10	Q452	J-9	Q684	I-6
D810	D-6	Q453	J-10	Q701	B-5
D812	D-2	Q481	J-9	Q732	G-11
D814	E-9	Q482	I-8	Q751	C-4
D815	F-2	Q483	I-9	Q802	F-9
D816	D-2	Q484	I-9	Q803	F-10
D817	F-9	Q501	B-4	Q805	F-10
D818	E-2	Q502	J-4	Q807	D-8
D819	D-2	Q503	J-5	Q808	B-8
D820	D-2	Q531	J-4	Q809	B-8
D821	B-9	Q532	I-3	Q810	E-3
D822	B-9	Q533	I-4	Q811	B-12
D823	B-9	Q534	I-4	Q813	E-2
		Q551	B-4	Q822	B-9
IC401	E-8	Q552	J-2	Q823	D-8
IC402	E-7	Q553	J-3	Q824	F-2
IC501	F-4	Q581	J-2	Q826	D-6

3-1. PRINTED WIRING BOARD – MAIN Board –

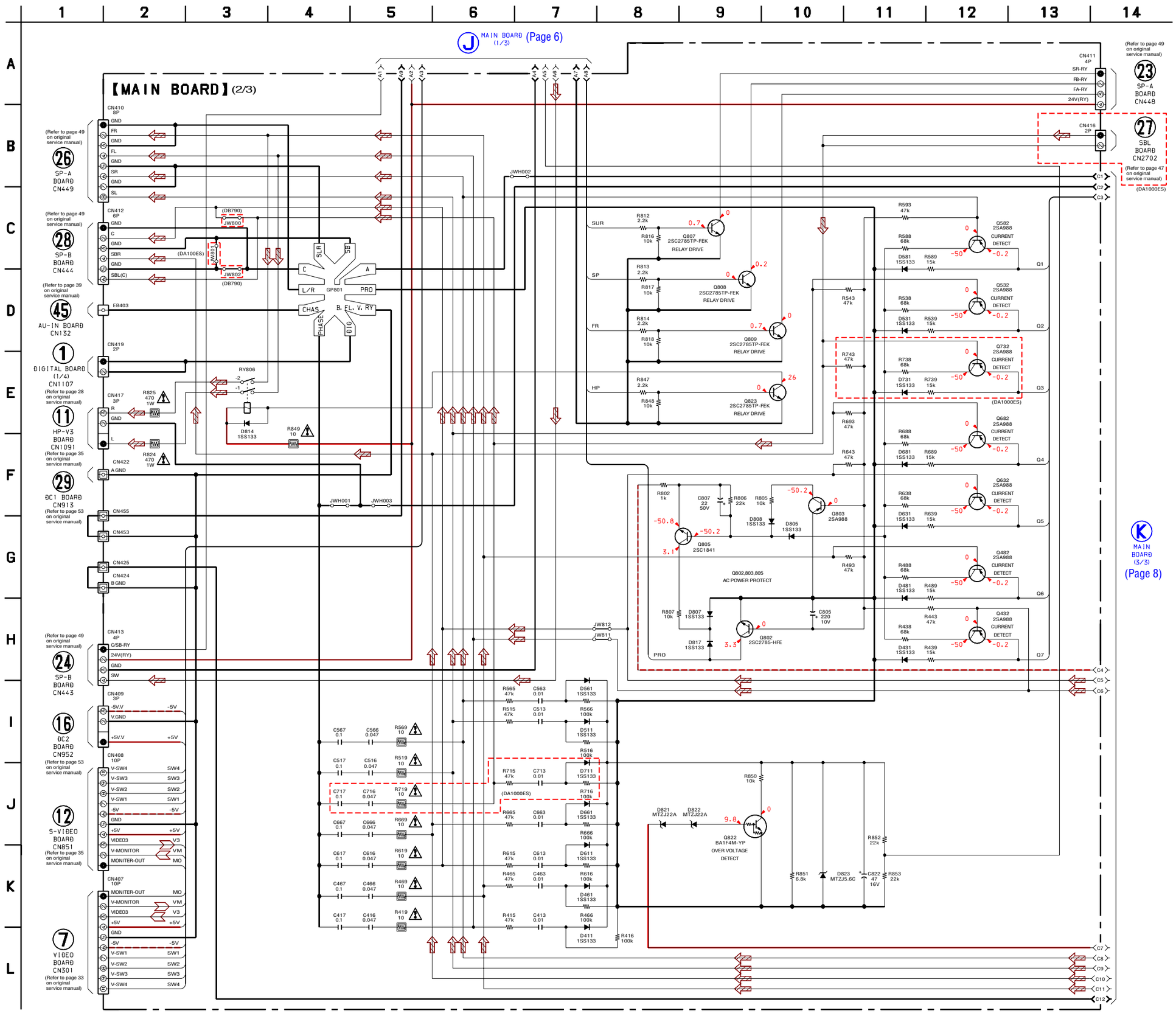
• See page 4 for Semiconductor Location. :Uses unleaded solder.


【MAIN BOARD】
IC805
IC804
IC402
IC401
IC502
IC652
IC601
IC651
IC602
IC501
(Refer to page 38 on original service manual) AU-IN BOARD CN102
(Refer to page 38 on original service manual) AU-IN BOARD CN103
(Refer to page 32 on original service manual) VIDEO-AU BOARD CN201
(Refer to page 32 on original service manual) VIDEO BOARD CN301
(Refer to page 52 on original service manual) DC2 BOARD CN952
(Refer to page 34 on original service manual) S-VIDEO BOARD CN851
(Refer to page 34 on original service manual) HP-V3 BOARD CN1091
(Refer to page 48 on original service manual) SP-A BOARD CN449
(Refer to page 48 on original service manual) SP-A BOARD CN448
(Refer to page 52 on original service manual) DC1 BOARD CN909
(Refer to page 48 on original service manual) SP-B BOARD CN444
(Refer to page 48 on original service manual) SP-B BOARD CN443
(Refer to page 38 on original service manual) AU-IN BOARD CN132
(Refer to page 27 on original service manual) DIGITAL BOARD CN1107
(Refer to page 52 on original service manual) DC1 BOARD CN913
SBL BOARD CN2702
(Refer to page 46 on original service manual)
(Refer to page 46 on original service manual)
SBL BOARD CN2702
(Refer to page 46 on original service manual)
DC1 BOARD CN910
(Refer to page 52 on original service manual)
DIGITAL BOARD CN1101
(Refer to page 27 on original service manual)
DIGITAL BOARD CN1102
(Refer to page 27 on original service manual)
CN420 A-CLASS BOARD CN2002 (Refer to page 44 on original service manual)
CN501 A-CLASS BOARD CN2401 (Refer to page 44 on original service manual)
CN651 A-CLASS BOARD CN2301 (Refer to page 44 on original service manual)
CN601 A-CLASS BOARD CN2201 (Refer to page 44 on original service manual)
CN401 A-CLASS BOARD CN2101 (Refer to page 44 on original service manual)
CN421 A-CLASS BOARD CN2001 (Refer to page 44 on original service manual)
(DA1000ES)
(DB790)
FOR ADJUSTMENT
1-688-629-
15

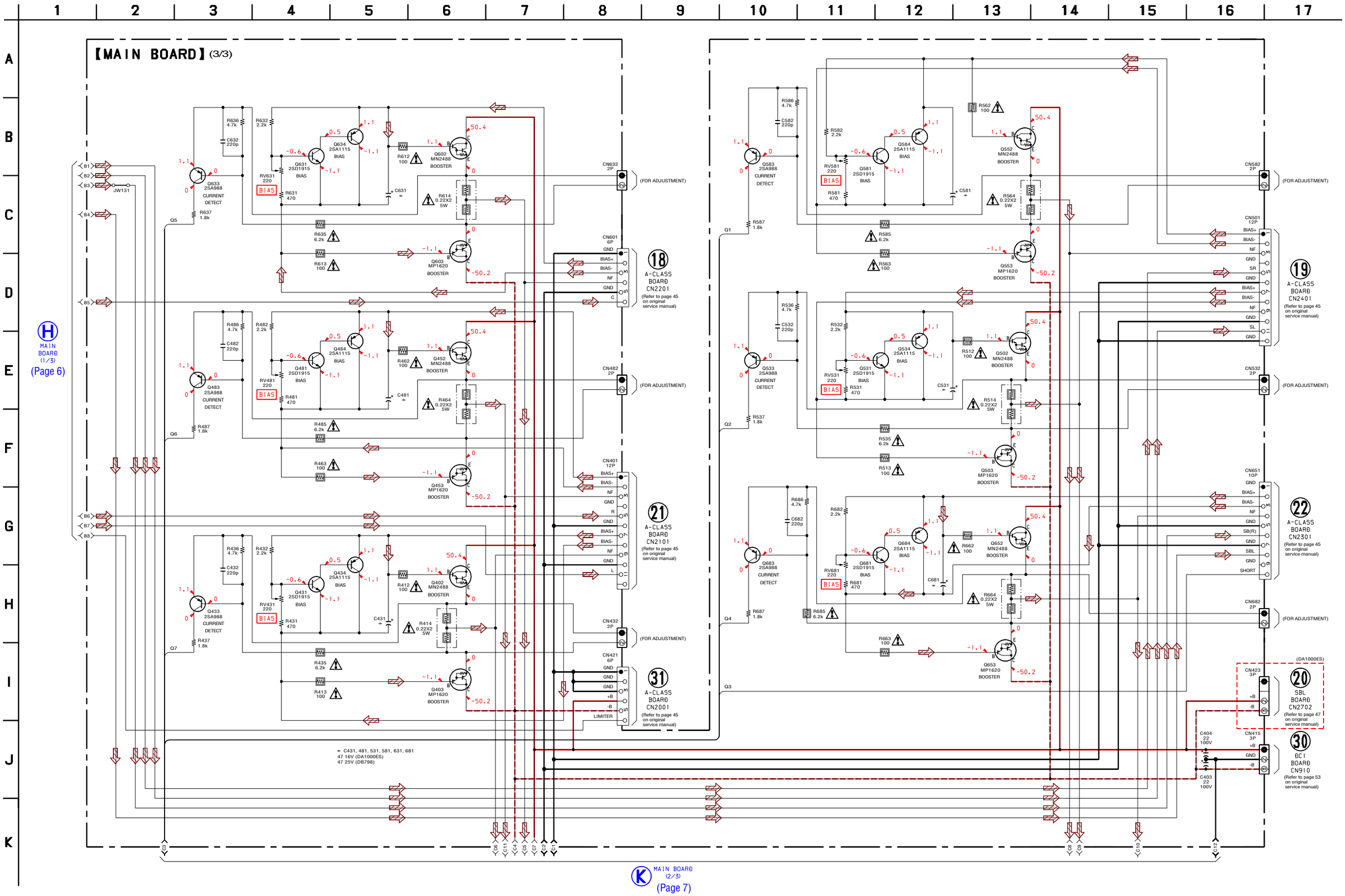
3-2. SCHEMATIC DIAGRAM – MAIN Board (1/3) –



3-3. SCHEMATIC DIAGRAM – MAIN Board (2/3) –



3-4. SCHEMATIC DIAGRAM – MAIN Board (3/3) –



MAIN

4. ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- CAPACITORS
  uF: µF
- COILS
  uH: µH
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA... : µA... uPA... : µPA...
  uPB... : µPB... uPC... : µPC...
  uPD... : µPD...
- Abbreviation
  AUS : Australian model
  CND : Canadian model
  CH : Chinese model
  KR : Korean model
  MY : Malaysia model
  SP : Singapore model
  TW : Taiwan model

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiquens pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

原理图和零件清单中标有⚠记号的零部件、或带有⚠记号的虚线所圈示的零部件，对于维系安全至关重要。因此只能以指定号码的零部件来更换。

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description				Remark
	A-4733-533-A	MAIN BOARD, COMPLETE (DA1000ES)				
	A-4733-553-A	MAIN BOARD, COMPLETE				
						(DB790: SP, MY, TW, KR, CH)
	A-4733-568-A	MAIN BOARD, COMPLETE				
						(DB790: AEP, UK, AUS)
		**********				
		< CAPACITOR >				
C401	1-112-083-11	ELECT	100uF	20%	16V	
						(DB790: SP, MY, TW, KR, CH)
C401	1-112-129-11	ELECT	100uF	20%	25V	
						(DB790: AEP, UK, AUS)
C401	1-126-933-11	ELECT	100uF	20%	16V	
						(DA1000ES)
C402	1-102-110-00	CERAMIC	220PF	10%	50V	
C403	1-112-109-11	ELECT	22uF	20%	100V	
						(DB790: SP, MY, TW, KR, CH)
C403	1-112-151-11	ELECT	22uF	20%	100V	
						(DB790: AEP, UK, AUS)
C403	1-128-560-11	ELECT	22uF	20%	100V	
						(DA1000ES)
C404	1-112-109-11	ELECT	22uF	20%	100V	
						(DB790: SP, MY, TW, KR, CH)
C404	1-112-151-11	ELECT	22uF	20%	100V	
						(DB790: AEP, UK, AUS)
C404	1-128-560-11	ELECT	22uF	20%	100V	
						(DA1000ES)
C413	1-127-876-11	CERAMIC	0.01uF	10%	50V	
C416	1-136-161-00	MYLAR	0.047uF	5%	50V	
C417	1-136-165-00	MYLAR	0.1uF	5%	50V	
C418	1-112-122-11	ELECT	220uF	20%	16V	
						(DB790: AEP, UK, AUS)
C418	1-112-416-11	ELECT	220uF	20%	16V	
						(DB790: SP, MY, TW, KR, CH)
C418	1-126-934-11	ELECT	220uF	20%	16V	
						(DA1000ES)
C419	1-128-809-11	CERAMIC	100PF	5%	50V	
C431	1-126-947-11	ELECT	47uF	20%	35V	
						(DA1000ES)
C431	1-112-089-11	ELECT	47uF	20%	25V	
						(DB790: SP, MY, TW, KR, CH)
C431	1-112-128-11	ELECT	47uF	20%	25V	
						(DB790: AEP, UK, AUS)
C432	1-128-813-11	CERAMIC	220PF	5%	50V	

Ref. No.	Part No.	Description				Remark
C456	1-112-083-11	ELECT	100uF	20%	16V	
						(DB790: SP, MY, TW, KR, CH)
C456	1-112-129-11	ELECT	100uF	20%	25V	
						(DB790: AEP, UK, AUS)
C456	1-126-933-11	ELECT	100uF	20%	16V	
						(DA1000ES)
C457	1-102-110-00	CERAMIC	220PF	10%	50V	
C463	1-127-876-11	CERAMIC	0.01uF	10%	50V	
C466	1-136-161-00	MYLAR	0.047uF	5%	50V	
C467	1-136-165-00	MYLAR	0.1uF	5%	50V	
C468	1-112-122-11	ELECT	220uF	20%	16V	
						(DB790: AEP, UK, AUS)
C468	1-112-416-11	ELECT	220uF	20%	16V	
						(DB790: SP, MY, TW, KR, CH)
C468	1-126-934-11	ELECT	220uF	20%	16V	
						(DA1000ES)
C481	1-126-947-11	ELECT	47uF	20%	35V	
						(DA1000ES)
C481	1-112-089-11	ELECT	47uF	20%	25V	
						(DB790: SP, MY, TW, KR, CH)
C481	1-112-128-11	ELECT	47uF	20%	25V	
						(DB790: AEP, UK, AUS)
C482	1-128-813-11	CERAMIC	220PF	5%	50V	
C501	1-112-083-11	ELECT	100uF	20%	16V	
						(DB790: SP, MY, TW, KR, CH)
C501	1-112-129-11	ELECT	100uF	20%	25V	
						(DB790: AEP, UK, AUS)
C501	1-126-933-11	ELECT	100uF	20%	16V	
						(DA1000ES)
C502	1-102-110-00	CERAMIC	220PF	10%	50V	
C513	1-127-876-11	CERAMIC	0.01uF	10%	50V	
C516	1-136-161-00	MYLAR	0.047uF	5%	50V	
C517	1-136-165-00	MYLAR	0.1uF	5%	50V	
C518	1-112-122-11	ELECT	220uF	20%	16V	
						(DB790: AEP, UK, AUS)
C518	1-112-416-11	ELECT	220uF	20%	16V	
						(DB790: SP, MY, TW, KR, CH)
C518	1-126-934-11	ELECT	220uF	20%	16V	
						(DA1000ES)
C519	1-128-809-11	CERAMIC	100PF	5%	50V	
C531	1-126-947-11	ELECT	47uF	20%	35V	
						(DA1000ES)
C531	1-112-089-11	ELECT	47uF	20%	25V	
						(DB790: SP, MY, TW, KR, CH)

MAIN

Ref. No.	Part No.	Description				Remark
C531	1-112-128-11	ELECT	47uF	20%	25V	(DB790: AEP, UK, AUS)
C532	1-128-813-11	CERAMIC	220PF	5%	50V	
C551	1-112-083-11	ELECT	100uF	20%	16V	(DB790: SP, MY, TW, KR, CH)
C551	1-112-129-11	ELECT	100uF	20%	25V	(DB790: AEP, UK, AUS)
C551	1-126-933-11	ELECT	100uF	20%	16V	(DA1000ES)
C552	1-102-110-00	CERAMIC	220PF	10%	50V	
C563	1-127-876-11	CERAMIC	0.01uF	10%	50V	
C566	1-136-161-00	MYLAR	0.047uF	5%	50V	
C567	1-136-165-00	MYLAR	0.1uF	5%	50V	
C568	1-112-122-11	ELECT	220uF	20%	16V	(DB790: AEP, UK, AUS)
C568	1-112-416-11	ELECT	220uF	20%	16V	(DB790: SP, MY, TW, KR, CH)
C568	1-126-934-11	ELECT	220uF	20%	16V	(DA1000ES)
C581	1-126-947-11	ELECT	47uF	20%	35V	(DA1000ES)
C581	1-112-089-11	ELECT	47uF	20%	25V	(DB790: SP, MY, TW, KR, CH)
C581	1-112-128-11	ELECT	47uF	20%	25V	(DB790: AEP, UK, AUS)
C582	1-128-813-11	CERAMIC	220PF	5%	50V	
C601	1-112-083-11	ELECT	100uF	20%	16V	(DB790: SP, MY, TW, KR, CH)
C601	1-112-129-11	ELECT	100uF	20%	25V	(DB790: AEP, UK, AUS)
C601	1-126-933-11	ELECT	100uF	20%	16V	(DA1000ES)
C602	1-102-110-00	CERAMIC	220PF	10%	50V	
C613	1-127-876-11	CERAMIC	0.01uF	10%	50V	
C616	1-136-161-00	MYLAR	0.047uF	5%	50V	
C617	1-136-165-00	MYLAR	0.1uF	5%	50V	
C618	1-112-122-11	ELECT	220uF	20%	16V	(DB790: AEP, UK, AUS)
C618	1-112-416-11	ELECT	220uF	20%	16V	(DB790: SP, MY, TW, KR, CH)
C618	1-126-934-11	ELECT	220uF	20%	16V	(DA1000ES)
C619	1-128-809-11	CERAMIC	100PF	5%	50V	
C631	1-126-947-11	ELECT	47uF	20%	35V	(DA1000ES)
C631	1-112-089-11	ELECT	47uF	20%	25V	(DB790: SP, MY, TW, KR, CH)
C631	1-112-128-11	ELECT	47uF	20%	25V	(DB790: AEP, UK, AUS)
C632	1-128-813-11	CERAMIC	220PF	5%	50V	
C651	1-126-933-11	ELECT	100uF	20%	16V	(DA1000ES)
C652	1-102-110-00	CERAMIC	220PF	10%	50V	(DA1000ES)
C663	1-127-876-11	CERAMIC	0.01uF	10%	50V	
C666	1-136-161-00	MYLAR	0.047uF	5%	50V	
C667	1-136-165-00	MYLAR	0.1uF	5%	50V	
C668	1-126-934-11	ELECT	220uF	20%	16V	(DA1000ES)
C669	1-128-809-11	CERAMIC	100PF	5%	50V	
C681	1-126-947-11	ELECT	47uF	20%	35V	(DA1000ES)
C681	1-112-089-11	ELECT	47uF	20%	25V	(DB790: SP, MY, TW, KR, CH)
C681	1-112-128-11	ELECT	47uF	20%	25V	(DB790: AEP, UK, AUS)
C682	1-128-813-11	CERAMIC	220PF	5%	50V	
C701	1-112-083-11	ELECT	100uF	20%	16V	(DB790: SP, MY, TW, KR, CH)
C701	1-112-129-11	ELECT	100uF	20%	25V	(DB790: AEP, UK, AUS)
C701	1-126-933-11	ELECT	100uF	20%	16V	(DA1000ES)
C702	1-102-110-00	CERAMIC	220PF	10%	50V	
C713	1-127-876-11	CERAMIC	0.01uF	10%	50V	(DA1000ES)
C716	1-136-161-00	MYLAR	0.047uF	5%	50V	(DA1000ES)
C717	1-136-165-00	MYLAR	0.1uF	5%	50V	(DA1000ES)
C718	1-112-122-11	ELECT	220uF	20%	16V	(DB790: AEP, UK, AUS)
C718	1-112-416-11	ELECT	220uF	20%	16V	(DB790: SP, MY, TW, KR, CH)
C718	1-126-934-11	ELECT	220uF	20%	16V	(DA1000ES)
C751	1-112-083-11	ELECT	100uF	20%	16V	(DB790: SP, MY, TW, KR, CH)
C751	1-112-129-11	ELECT	100uF	20%	25V	(DB790: AEP, UK, AUS)
C751	1-126-933-11	ELECT	100uF	20%	16V	(DA1000ES)
C752	1-102-110-00	CERAMIC	220PF	10%	50V	
C753	1-112-083-11	ELECT	100uF	20%	16V	(DB790: SP, MY, TW, KR, CH)
C753	1-112-129-11	ELECT	100uF	20%	25V	(DB790: AEP, UK, AUS)
C753	1-126-933-11	ELECT	100uF	20%	16V	(DA1000ES)
C768	1-112-122-11	ELECT	220uF	20%	16V	(DB790: AEP, UK, AUS)
C768	1-112-416-11	ELECT	220uF	20%	16V	(DB790: SP, MY, TW, KR, CH)
C768	1-126-934-11	ELECT	220uF	20%	16V	(DA1000ES)
C805	1-112-079-11	ELECT	220uF	20%	10V	(DB790: SP, MY, TW, KR, CH)
C805	1-112-117-11	ELECT	220uF	20%	10V	(DB790: AEP, UK, AUS)
C805	1-126-934-11	ELECT	220uF	20%	16V	(DA1000ES)
C807	1-126-965-11	ELECT	22uF	20%	50V	
C812	1-127-868-11	CERAMIC	2200PF	10%	50V	
C813	1-127-868-11	CERAMIC	2200PF	10%	50V	
C814	1-126-786-11	ELECT	47uF	20%	16V	
C815	1-126-786-11	ELECT	47uF	20%	16V	
C816	1-127-888-11	CERAMIC	0.1uF	10%	50V	
C817	1-112-135-11	ELECT	47uF	20%	35V	(DB790: AEP, UK, AUS)
C817	1-112-426-11	ELECT	47uF	20%	35V	(DB790: SP, MY, TW, KR, CH)

Ref. No.	Part No.	Description	Remark
C817	1-126-947-11	ELECT 47uF 20% 35V	(DA1000ES)
C818	1-104-662-91	ELECT 22uF 20% 25V	(DA1000ES)
C818	1-112-114-11	ELECT 22uF 20% 50V	(DB790: SP, MY, TW, KR, CH)
C818	1-112-144-11	ELECT 22uF 20% 50V	(DB790: AEP, UK, AUS)
C819	1-104-662-91	ELECT 22uF 20% 25V	(DA1000ES)
C819	1-112-114-11	ELECT 22uF 20% 50V	(DB790: SP, MY, TW, KR, CH)
C819	1-112-144-11	ELECT 22uF 20% 50V	(DB790: AEP, UK, AUS)
C821	1-127-876-11	CERAMIC 0.01uF 10% 50V	
C822	1-126-786-11	ELECT 47uF 20% 16V	
		< CONNECTOR >	
CN401	1-770-382-11	CONNECTOR, BOARD TO BOARD 12P	
CN402	1-573-852-11	CONNECTOR, BOARD TO BOARD 20P	
CN403	1-573-852-11	CONNECTOR, BOARD TO BOARD 20P	
CN404	1-573-852-11	CONNECTOR, BOARD TO BOARD 20P	
CN405	1-573-852-11	CONNECTOR, BOARD TO BOARD 20P	
CN406	1-766-715-21	CONNECTOR, BOARD TO BOARD 10P	
CN407	1-766-715-21	CONNECTOR, BOARD TO BOARD 10P	
CN408	1-766-715-21	CONNECTOR, BOARD TO BOARD 10P	
CN409	1-691-765-11	PLUG (MICRO CONNECTOR) 3P	
* CN410	1-770-723-11	CONNECTOR, BOARD TO BOARD 8P	
CN411	1-770-010-21	CONNECTOR, BOARD TO BOARD 4P	
CN412	1-770-722-11	CONNECTOR, BOARD TO BOARD 6P	
CN413	1-770-010-21	CONNECTOR, BOARD TO BOARD 4P	
CN416	1-564-320-00	PIN, CONNECTOR (3.96mm PITCH) 2P	(DA1000ES)
CN417	1-779-978-11	PIN, CONNECTOR 3P	
CN420	1-770-379-11	CONNECTOR, BOARD TO BOARD 6P	
CN421	1-770-379-11	CONNECTOR, BOARD TO BOARD 6P	
CN423	1-785-101-11	PIN, CONNECTOR (3.96mm PITCH) 3P	(DA1000ES)
CN432	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P	(DB790: SP, MY, TW, KR, AUS)
CN432	1-564-704-41	PIN, CONNECTOR (SMALL TYPE) 2P	(DA1000ES/DB790: AEP, UK, CH)
CN482	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P	(DB790: SP, MY, TW, KR, AUS)
CN482	1-564-704-41	PIN, CONNECTOR (SMALL TYPE) 2P	(DA1000ES/DB790: AEP, UK, CH)
CN501	1-770-382-11	CONNECTOR, BOARD TO BOARD 12P	
CN532	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P	(DB790: SP, MY, TW, KR, AUS)
CN532	1-564-704-41	PIN, CONNECTOR (SMALL TYPE) 2P	(DA1000ES/DB790: AEP, UK, CH)
CN582	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P	(DB790: SP, MY, TW, KR, AUS)
CN582	1-564-704-41	PIN, CONNECTOR (SMALL TYPE) 2P	(DA1000ES/DB790: AEP, UK, CH)
CN601	1-770-379-11	CONNECTOR, BOARD TO BOARD 6P	
CN632	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P	(DB790: SP, MY, TW, KR, AUS)
CN632	1-564-704-41	PIN, CONNECTOR (SMALL TYPE) 2P	(DA1000ES/DB790: AEP, UK, CH)
CN651	1-770-381-11	CONNECTOR, BOARD TO BOARD 10P	
CN682	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P	(DB790: SP, MY, TW, KR, AUS)
CN682	1-564-704-41	PIN, CONNECTOR (SMALL TYPE) 2P	(DA1000ES/DB790: AEP, UK, CH)
		< DIODE >	
D411	8-719-991-33	DIODE 1SS133T-77	
D431	8-719-991-33	DIODE 1SS133T-77	
D461	8-719-991-33	DIODE 1SS133T-77	
D481	8-719-991-33	DIODE 1SS133T-77	
D511	8-719-991-33	DIODE 1SS133T-77	
D531	8-719-991-33	DIODE 1SS133T-77	
D561	8-719-991-33	DIODE 1SS133T-77	
D581	8-719-991-33	DIODE 1SS133T-77	
D611	8-719-991-33	DIODE 1SS133T-77	
D631	8-719-991-33	DIODE 1SS133T-77	
D661	8-719-991-33	DIODE 1SS133T-77	
D681	8-719-991-33	DIODE 1SS133T-77	
D711	8-719-991-33	DIODE 1SS133T-77 (DA1000ES)	
D731	8-719-991-33	DIODE 1SS133T-77 (DA1000ES)	
D805	8-719-991-33	DIODE 1SS133T-77	
D807	8-719-991-33	DIODE 1SS133T-77	
D808	8-719-991-33	DIODE 1SS133T-77	
D810	8-719-991-33	DIODE 1SS133T-77	
D812	8-719-991-33	DIODE 1SS133T-77	
D814	8-719-991-33	DIODE 1SS133T-77	
D815	8-719-985-88	DIODE HZS6B2LTA	
D816	8-719-991-33	DIODE 1SS133T-77	
D817	8-719-991-33	DIODE 1SS133T-77	
D818	8-719-991-33	DIODE 1SS133T-77	
D819	8-719-991-33	DIODE 1SS133T-77	
D820	8-719-991-33	DIODE 1SS133T-77	
D821	8-719-110-56	DIODE RD22ESB1	
D822	8-719-110-56	DIODE RD22ESB1	
D823	8-719-922-45	DIODE MTZJ-T-73-5.6C	
		< EARTH TERMINAL >	
EB403	4-924-264-01	TERMINAL, MOUNT	
		< IC >	
IC401	6-702-387-01	IC CXD9725M	
IC402	8-759-167-88	IC NJM4565D	
IC501	6-702-387-01	IC CXD9725M	
IC502	8-759-167-88	IC NJM4565D	
IC601	6-702-387-01	IC CXD9725M	
IC602	8-759-167-88	IC NJM4565D	
IC651	6-702-387-01	IC CXD9725M	
IC652	8-759-167-88	IC NJM4565D	
IC804	8-759-243-51	IC TC74ACT08P	
IC805	8-759-243-51	IC TC74ACT08P	
		< TRANSISTOR >	
Q401	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q431	8-729-044-08	TRANSISTOR 2SD1915 (F)-T (TA).SO	
Q432	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q433	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q434	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q451	8-729-141-30	TRANSISTOR 2SC3623A-LK	

MAIN

Ref. No.	Part No.	Description			Remark
Q481	8-729-044-08	TRANSISTOR	2SD1915 (F)-T (TA).SO		
Q482	8-729-140-82	TRANSISTOR	2SA988-PAFAEA		
Q483	8-729-140-82	TRANSISTOR	2SA988-PAFAEA		
Q484	8-729-119-76	TRANSISTOR	2SA1175-HFE		
Q501	8-729-141-30	TRANSISTOR	2SC3623A-LK		
Q531	8-729-044-08	TRANSISTOR	2SD1915 (F)-T (TA).SO		
Q532	8-729-140-82	TRANSISTOR	2SA988-PAFAEA		
Q533	8-729-140-82	TRANSISTOR	2SA988-PAFAEA		
Q534	8-729-119-76	TRANSISTOR	2SA1175-HFE		
Q551	8-729-141-30	TRANSISTOR	2SC3623A-LK		
Q581	8-729-044-08	TRANSISTOR	2SD1915 (F)-T (TA).SO		
Q582	8-729-140-82	TRANSISTOR	2SA988-PAFAEA		
Q583	8-729-140-82	TRANSISTOR	2SA988-PAFAEA		
Q584	8-729-119-76	TRANSISTOR	2SA1175-HFE		
Q601	8-729-141-30	TRANSISTOR	2SC3623A-LK		
Q631	8-729-044-08	TRANSISTOR	2SD1915 (F)-T (TA).SO		
Q632	8-729-140-82	TRANSISTOR	2SA988-PAFAEA		
Q633	8-729-140-82	TRANSISTOR	2SA988-PAFAEA		
Q634	8-729-119-76	TRANSISTOR	2SA1175-HFE		
Q651	8-729-141-30	TRANSISTOR	2SC3623A-LK		
Q681	8-729-044-08	TRANSISTOR	2SD1915 (F)-T (TA).SO		
Q682	8-729-140-82	TRANSISTOR	2SA988-PAFAEA		
Q683	8-729-140-82	TRANSISTOR	2SA988-PAFAEA		
Q684	8-729-119-76	TRANSISTOR	2SA1175-HFE		
Q701	8-729-141-30	TRANSISTOR	2SC3623A-LK (DA1000ES)		
Q732	8-729-140-82	TRANSISTOR	2SA988-PAFAEA (DA1000ES)		
Q751	8-729-141-30	TRANSISTOR	2SC3623A-LK		
Q802	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q803	8-729-140-82	TRANSISTOR	2SA988-PAFAEA		
Q805	8-729-140-84	TRANSISTOR	2SC1841-PAFAEA		
Q807	8-729-119-79	TRANSISTOR	2SC2785-FEK		
Q808	8-729-119-79	TRANSISTOR	2SC2785-FEK		
Q809	8-729-119-79	TRANSISTOR	2SC2785-FEK		
Q810	8-729-900-63	TRANSISTOR	DTA124ES		
Q811	8-729-119-79	TRANSISTOR	2SC2785-FEK		
Q813	8-729-900-63	TRANSISTOR	DTA124ES		
Q822	8-729-900-36	TRANSISTOR	DTC124ES		
Q823	8-729-119-79	TRANSISTOR	2SC2785-FEK		
Q824	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q826	8-729-119-79	TRANSISTOR	2SC2785-FEK		
		< RESISTOR >			
R401	1-249-427-11	CARBON	6.8K	5%	1/4W
R402	1-249-417-11	CARBON	1K	5%	1/4W
R403	1-249-441-11	CARBON	100K	5%	1/4W
R404	1-249-417-11	CARBON	1K	5%	1/4W
R405	1-249-421-11	CARBON	2.2K	5%	1/4W
⚠R412	1-249-405-11	CARBON	100	5%	1/4W F
⚠R413	1-249-405-11	CARBON	100	5%	1/4W F
⚠R414	1-234-182-11	ENCAPSULATED COMPONENT			
			0.22		5W F (DA1000ES)
⚠R414	1-234-572-21	ENCAPSULATED COMPONENT			
			0.22		5W F (DB790)
R415	1-249-437-11	CARBON	47K	5%	1/4W
R416	1-249-441-11	CARBON	100K	5%	1/4W
⚠R419	1-249-393-11	CARBON	10	5%	1/4W F

Ref. No.	Part No.	Description			Remark
R431	1-249-413-11	CARBON	470	5%	1/4W
R432	1-249-421-11	CARBON	2.2K	5%	1/4W
⚠R435	1-240-855-91	CARBON	6.2K	5%	1/4W F
R436	1-247-847-91	CARBON	4.7K	5%	1/4W
R437	1-249-420-11	CARBON	1.8K	5%	1/4W
R438	1-249-439-11	CARBON	68K	5%	1/4W
R439	1-249-431-11	CARBON	15K	5%	1/4W
R443	1-249-437-11	CARBON	47K	5%	1/4W
R451	1-249-427-11	CARBON	6.8K	5%	1/4W
R455	1-249-421-11	CARBON	2.2K	5%	1/4W
R457	1-249-417-11	CARBON	1K	5%	1/4W
R458	1-249-441-11	CARBON	100K	5%	1/4W
⚠R462	1-249-405-11	CARBON	100	5%	1/4W F
⚠R463	1-249-405-11	CARBON	100	5%	1/4W F
⚠R464	1-234-182-11	ENCAPSULATED COMPONENT			
			0.22		5W F (DA1000ES)
⚠R464	1-234-572-21	ENCAPSULATED COMPONENT			
			0.22		5W F (DB790)
R465	1-249-437-11	CARBON	47K	5%	1/4W
R466	1-249-441-11	CARBON	100K	5%	1/4W
⚠R469	1-249-393-11	CARBON	10	5%	1/4W F
R481	1-249-413-11	CARBON	470	5%	1/4W
R482	1-249-421-11	CARBON	2.2K	5%	1/4W
⚠R485	1-240-855-91	CARBON	6.2K	5%	1/4W F
R486	1-247-847-91	CARBON	4.7K	5%	1/4W
R487	1-249-420-11	CARBON	1.8K	5%	1/4W
R488	1-249-439-11	CARBON	68K	5%	1/4W
R489	1-249-431-11	CARBON	15K	5%	1/4W
R493	1-249-437-11	CARBON	47K	5%	1/4W
R501	1-249-427-11	CARBON	6.8K	5%	1/4W
R502	1-249-417-11	CARBON	1K	5%	1/4W
R503	1-249-441-11	CARBON	100K	5%	1/4W
R504	1-249-417-11	CARBON	1K	5%	1/4W
⚠R512	1-249-405-11	CARBON	100	5%	1/4W F
⚠R513	1-249-405-11	CARBON	100	5%	1/4W F
⚠R514	1-234-182-11	ENCAPSULATED COMPONENT			
			0.22		5W F (DA1000ES)
⚠R514	1-234-572-21	ENCAPSULATED COMPONENT			
			0.22		5W F (DB790)
R515	1-249-437-11	CARBON	47K	5%	1/4W
R516	1-249-441-11	CARBON	100K	5%	1/4W
⚠R519	1-249-393-11	CARBON	10	5%	1/4W F
R531	1-249-413-11	CARBON	470	5%	1/4W
R532	1-249-421-11	CARBON	2.2K	5%	1/4W
⚠R535	1-240-855-91	CARBON	6.2K	5%	1/4W F
R536	1-247-847-91	CARBON	4.7K	5%	1/4W
R537	1-249-420-11	CARBON	1.8K	5%	1/4W
R538	1-249-439-11	CARBON	68K	5%	1/4W
R539	1-249-431-11	CARBON	15K	5%	1/4W
R543	1-249-437-11	CARBON	47K	5%	1/4W
R551	1-249-427-11	CARBON	6.8K	5%	1/4W
R552	1-249-417-11	CARBON	1K	5%	1/4W
R553	1-249-441-11	CARBON	100K	5%	1/4W
⚠R562	1-249-405-11	CARBON	100	5%	1/4W F
⚠R563	1-249-405-11	CARBON	100	5%	1/4W F

Ref. No.	Part No.	Description			Remark
⚠R564	1-234-182-11	ENCAPSULATED COMPONENT 0.22			5W F (DA1000ES)
⚠R564	1-234-572-21	ENCAPSULATED COMPONENT 0.22			5W F (DB790)
R565	1-249-437-11	CARBON	47K	5%	1/4W
R566	1-249-441-11	CARBON	100K	5%	1/4W
⚠R569	1-249-393-11	CARBON	10	5%	1/4W F
R581	1-249-413-11	CARBON	470	5%	1/4W
R582	1-249-421-11	CARBON	2.2K	5%	1/4W
⚠R585	1-240-855-91	CARBON	6.2K	5%	1/4W F
R586	1-247-847-91	CARBON	4.7K	5%	1/4W
R587	1-249-420-11	CARBON	1.8K	5%	1/4W
R588	1-249-439-11	CARBON	68K	5%	1/4W
R589	1-249-431-11	CARBON	15K	5%	1/4W
R593	1-249-437-11	CARBON	47K	5%	1/4W
R601	1-249-427-11	CARBON	6.8K	5%	1/4W
R602	1-249-417-11	CARBON	1K	5%	1/4W
R603	1-249-441-11	CARBON	100K	5%	1/4W
R604	1-249-417-11	CARBON	1K	5%	1/4W
⚠R612	1-249-405-11	CARBON	100	5%	1/4W F
⚠R613	1-249-405-11	CARBON	100	5%	1/4W F
⚠R614	1-234-182-11	ENCAPSULATED COMPONENT 0.22			5W F (DA1000ES)
⚠R614	1-234-572-21	ENCAPSULATED COMPONENT 0.22			5W F (DB790)
R615	1-249-437-11	CARBON	47K	5%	1/4W
R616	1-249-441-11	CARBON	100K	5%	1/4W
⚠R619	1-249-393-11	CARBON	10	5%	1/4W F
R631	1-249-413-11	CARBON	470	5%	1/4W
R632	1-249-421-11	CARBON	2.2K	5%	1/4W
⚠R635	1-240-855-91	CARBON	6.2K	5%	1/4W F
R636	1-247-847-91	CARBON	4.7K	5%	1/4W
R637	1-249-420-11	CARBON	1.8K	5%	1/4W
R638	1-249-439-11	CARBON	68K	5%	1/4W
R639	1-249-431-11	CARBON	15K	5%	1/4W
R643	1-249-437-11	CARBON	47K	5%	1/4W
R651	1-249-427-11	CARBON	6.8K	5%	1/4W
R652	1-249-417-11	CARBON	1K	5%	1/4W (DA1000ES)
R653	1-249-441-11	CARBON	100K	5%	1/4W
R654	1-249-417-11	CARBON	1K	5%	1/4W
⚠R662	1-249-405-11	CARBON	100	5%	1/4W F
⚠R663	1-249-405-11	CARBON	100	5%	1/4W F
⚠R664	1-234-182-11	ENCAPSULATED COMPONENT 0.22			5W F (DA1000ES)
⚠R664	1-234-572-21	ENCAPSULATED COMPONENT 0.22			5W F (DB790)
R665	1-249-437-11	CARBON	47K	5%	1/4W
R666	1-249-441-11	CARBON	100K	5%	1/4W
⚠R669	1-249-393-11	CARBON	10	5%	1/4W F
R681	1-249-413-11	CARBON	470	5%	1/4W
R682	1-249-421-11	CARBON	2.2K	5%	1/4W
⚠R685	1-240-855-91	CARBON	6.2K	5%	1/4W F
R686	1-247-847-91	CARBON	4.7K	5%	1/4W
R687	1-249-420-11	CARBON	1.8K	5%	1/4W
R688	1-249-439-11	CARBON	68K	5%	1/4W
R689	1-249-431-11	CARBON	15K	5%	1/4W
R693	1-249-437-11	CARBON	47K	5%	1/4W
R701	1-249-427-11	CARBON	6.8K	5%	1/4W (DA1000ES)
R702	1-249-417-11	CARBON	1K	5%	1/4W
R703	1-249-441-11	CARBON	100K	5%	1/4W
R715	1-249-437-11	CARBON	47K	5%	1/4W (DA1000ES)
R716	1-249-441-11	CARBON	100K	5%	1/4W (DA1000ES)
⚠R719	1-249-393-11	CARBON	10	5%	1/4W F (DA1000ES)
R738	1-249-439-11	CARBON	68K	5%	1/4W (DA1000ES)
R739	1-249-431-11	CARBON	15K	5%	1/4W (DA1000ES)
R743	1-249-437-11	CARBON	47K	5%	1/4W (DA1000ES)
R751	1-249-427-11	CARBON	6.8K	5%	1/4W
R752	1-249-417-11	CARBON	1K	5%	1/4W
R753	1-249-441-11	CARBON	100K	5%	1/4W
R782	1-249-441-11	CARBON	100K	5%	1/4W
R802	1-249-417-11	CARBON	1K	5%	1/4W
R805	1-249-429-11	CARBON	10K	5%	1/4W
R806	1-247-863-11	CARBON	22K	5%	1/4W
R807	1-249-429-11	CARBON	10K	5%	1/4W
R811	1-249-429-11	CARBON	10K	5%	1/4W
R812	1-249-421-11	CARBON	2.2K	5%	1/4W
R813	1-249-421-11	CARBON	2.2K	5%	1/4W
R814	1-249-421-11	CARBON	2.2K	5%	1/4W
R815	1-249-429-11	CARBON	10K	5%	1/4W
R816	1-249-429-11	CARBON	10K	5%	1/4W
R817	1-249-429-11	CARBON	10K	5%	1/4W
R818	1-249-429-11	CARBON	10K	5%	1/4W
R820	1-249-421-11	CARBON	2.2K	5%	1/4W
R821	1-249-429-11	CARBON	10K	5%	1/4W
⚠R824	1-215-867-00	METAL OXIDE	470	5%	1W F
⚠R825	1-215-867-00	METAL OXIDE	470	5%	1W F
R826	1-247-903-00	CARBON	1M	5%	1/4W
R827	1-249-417-11	CARBON	1K	5%	1/4W
R828	1-247-847-91	CARBON	4.7K	5%	1/4W
⚠R829	1-249-393-11	CARBON	10	5%	1/4W F
R830	1-249-417-11	CARBON	1K	5%	1/4W
R833	1-247-903-00	CARBON	1M	5%	1/4W
R838	1-249-421-11	CARBON	2.2K	5%	1/4W
R839	1-249-429-11	CARBON	10K	5%	1/4W
⚠R841	1-249-399-11	CARBON	33	5%	1/4W F
⚠R846	1-249-399-11	CARBON	33	5%	1/4W F
R847	1-249-421-11	CARBON	2.2K	5%	1/4W
R848	1-249-429-11	CARBON	10K	5%	1/4W
⚠R849	1-249-393-11	CARBON	10	5%	1/4W F
R850	1-249-429-11	CARBON	10K	5%	1/4W
R851	1-249-427-11	CARBON	6.8K	5%	1/4W
R852	1-247-863-11	CARBON	22K	5%	1/4W
R853	1-247-863-11	CARBON	22K	5%	1/4W

MAIN

Ref. No.	Part No.	Description	Remark
		< VARIABLE RESISTOR >	
RV431	1-238-595-11	RES, ADJ, CARBON 220	
RV481	1-238-595-11	RES, ADJ, CARBON 220	
RV531	1-238-595-11	RES, ADJ, CARBON 220	
RV581	1-238-595-11	RES, ADJ, CARBON 220	
RV631	1-238-595-11	RES, ADJ, CARBON 220	
RV681	1-238-595-11	RES, ADJ, CARBON 220	
		< RELAY >	
RY806	1-515-920-11	RELAY (24V)	
RY807	1-755-483-11	RELAY	

MEMO

REVISION HISTORY

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Ver.	Date	Description of Revision
1.0	2003.05	New
1.1	2003.08	Addition of Chinese Model
1.2	2003.09	Change of specified value for bias adjustment (SPM-03086)
1.3	2004.09	Addition of “ERROR MESSAGES” to SERVICING NOTES Correction of “SUPER RESET” in TEST MODE Addition of TH Board to STR-DB790 Correction of Part No. for TU301 (ENG-04006/SPM-04085/04086/04087)
1.4	2004.11	Change of Part No. for Ref. No. RV1060 on VOL board (SPM-04114)
1.5	2006.11	Change of MAIN board (suffix-15) (SUPPLEMENT-1) Change of specified value for bias adjustment according to change in MAIN board (SUPPLEMENT-1) (SPM-06069)